FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

UNIFORM HAZARDOUS WASTE MANIFEST TND040888992  1. Generator's US EPA ID No. TND0408889992  1. Generator's US EPA ID No. TND0408889992  1. Generator's US EPA ID No. TND0408889992  1. Generator's US EPA ID No. TND0408889999  1. Generator's US EPA ID No. TND04088899999  1. Generator's US EPA ID No. TND040888999999999999999999999999999999999	(Rev. 6-89) Manifest			
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NERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully a				
oper shipping name and are classified, packed, marked, and labeled, and are in all respects in pro cording to applicable international and national government regulations.	oper condition	for transport by	highway	
am a large quantity generator, I certify that I have a program in place to reduce the volume and				
economically practicable and that I have selected the practicable method of treatment, storage, of diture threat to human health and the environment; OR, if I am a small quantity generator, I have	or disposal cur ve made a coc	rently available t od faith effort to i	o me which mii minimize mv wa	nimizes the present aste generation and
ect the best waste management method that is available to me and that I can afford.			,	Date
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THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., lla) that corresponds to the waste code(s).

  Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 The waste is a characteristic hazardous waste D001, D002, D003, D004 D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.

  2 - The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003
- Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(h): '(1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17. wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab. packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I.	CHARACTERIS'	FIC WASTES DOO1 THROUGH DO43						
COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY		COLUMN 3: WASTEWATER/ NON-WASTEWATER	HVNDP COP			DE
	[ ] D001 <sup>5</sup>	"'Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[]	WW [] Non-WW Non-WW only	1 2 1A -	3	<b>4</b> 6	6
114	D002		( )	WW Non-WW	$(1)^2$	3	4	6
	<i>i</i> (1	Reactive Sulfide, per 261.23(a)(5)	( )	ww /[] Non-Ww	1 3	4	5	6
	(1)	Reactive Cyanide, per 261.23(a)(5)	1 3	WW [] Non-WW	1 3	4	5	6
	· ()	Explosive, per 261.23(a)(6), (7) & (8)	1 1	WW [] Non-WW	1 2	3	4	6
	[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	[ ]	Non-WW only	1 2	3	4	6
	[ ]	Other Reactive, per 261.23(a)(1)	[ ]	WW   ] Non-WW	1 2	3	4	6
	[ ]	Unexploded Ordnance, Emergency Response	( )	WW [ ] Non-WW	1 3	4	5	6
	[ ] D004	Arsenic	[ ]	WW [ ] Non-WW	1 2	3	4	6
	[ ] D005	Barium	[ ]	WW [] Non-WW	1 2	3	4	6
	[ ] D006							
	[ ]	Cadmium	( )	WW [] Non-WW	1 2	3	4	6
111/L		Cadmium Containing Batteries	[ ]	Non-WW only	2 3	6		
	₽ <b>&gt;</b> 0007	Chromium	[ ]	WW Non-ww	(Î <sup>r</sup> r) 2	3	4	6
	8000 X4				$\sim$			
• •	/ "妊	Lead	[ ]	WW Non-WW	$\bigcup_2$	3	4	6
	<b>/</b> ()	Lead Acid Batteries	[ ]	Non-WW only	2 3	6		

p-cresol)

# SECTION I. CHARACTERISTIC WASTES DO01-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: _waste code / name	No	COLUMN 3: WASTEWATER/ ON-WASTEWATER	COLUMN 4: NANDLING CODE
SEE MANIFEST	[ ] D009 [ ] [ ] [ ] [ ] [ ] D010 [ ] D011 [ ] D013 [ ] D014 [ ] D015 [ ] D016 [ ] D016 [ ] D017 [ ] D018 [ ] D020 [ ] D021 [ ] D022 [ ] D023 [ ] D024 [ ] D025 [ ] D025 [ ] D026 [ ] D027 [ ] D028 [ ] D026 [ ] D027 [ ] D028 [ ] D029 [ ] D030 [ ] D031 [ ] D031 [ ] D033 [ ] D034 [ ] D035 [ ] D036 [ ] D037 [ ] D038	Low Mercury, less than 260 mg High Mercury Organic Subcateg High Mercury Inorqanic Subcateg High Mercury Inorqanic Subcateg Selenium Silver Endrin Lindane Methoxychlor Toxaphene 2,4-D 2,4,5-TP (Silvex) Benzene Carbon tetrachloride Chlorodane Chloroform O-Cresol m-Cresol p-Cresol Cresol 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 2,4-Dinitrotoluene Heptachlor (and its epoxide) Hexachlorobenzene Pentachlorophenol Pyridine	/kq Mercury [ ] Woory [ ] Woory [ ] No ory [ ] No eqory [ ] No [ ] Wood [ ]	W	1 2 3 4 2 3 4 1 2 3 4 6 1 2 3 4 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 6 6 1 2 3 4 6
SECTION II.	[ ] D039 [ ] D040 [ ] D041 [ ] D042 [ ] D043	Tetrachloroethylene Trichloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Vinyl Chloride	и ( ) и ( ) и ( )	Non-WW     Non-WW     Non-WW     Non-WW	1 2 3 4 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST	[ ] F001	COLUMN 2: WASTE CODE / CONSTITUENTS [ ] F002 [ ] F003 [ ] F	N	COLUMN 3: WASTEWATER/NON-WASTEWATER W [ ] Non-WW	COLUMN 4: NANDLING CODE  3 4 5 6
[] [] [] [] [] [] []	7.7 Chlorobe 8. o-Creso 9. m-Creso distingu p-cresol 10. p-Creso distingu m-cresol 11. Cresol		2. Cyclohexanone 3. o-Dichlorobenzene 4. 2-Ethoxyethanol (F00 only) 5. Ethyl acetate 6. Ethyl benzene 7. Ethyl ether 9. Isobutyl alcohol 9. Methanol 10. Methylene chloride 11. Methyl ethyl ketone 12. Methyl isobutyl keto 13. Nitrobenzene 14. 2-Nitropropane (F005 only)	[ ] 26 [ ] 27 [ ] 28 [ ] 29 [ ] 30 [ ] 31 [ ] 32 [ ] 32	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoromethane Xylene - mixed isome (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1	Manifest No. 118493097
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

SECTION	IIIN.	CALIFORNIA	LIST	WASTES

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	Hazardous waste containing one or more of the following [California List constituents:	] WW [ ] Non-WW	1 2 3 4 5 6
	<ul> <li>ALL CALIFORNIA LIST CONSTITUENTS</li> <li>Liquids with nickel greater than or equal to 134 mg/l</li> <li>Liquids with thallium greater than or equal to 130 mg/g</li> <li>Liquids with PCB's &gt; or = 50 ppm</li> <li>Waste containing HOC's &gt; or = 1,000 mg/kg</li> </ul>	/1	

SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037 38, F039, K-, U-, AND P-CODES)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			WA	OLUMN 3: .STEWATER/ WASTEWATER	CC HANI		N 4 G C	
11A	K062	. (	3	ww	Non-ww	3	4 (	3	) <sub>6</sub>
		. 1	)	ww	/ [ ] Non-WW	3	4	5	6
		. (	3	ww	[ ] Non-WW	3	4	5	6
•		. (	1	ww	[ ] Non-WW	3	4	5	6
		. (	1	ww	[ ] Non-WW	3	4	5	6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

[ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE Hoshway Group Date: 8-12-89

# KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

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AND SPECIAL WASTE	ZARDO
Form Approved, OMB No. 2050-0039	z

ASE TYPE (Form designed for use	Stat on elite (12-pitch) typewriter)	e Form LPC 62 8/81 EPA Form 8700-	IL532-0610 •22 (Rev. 6-89)	Form App	oroved. OMB	No 2050-0039	33
UNIFORM HAZARDOUS WASTE MANIFEST	1	EPAID No.	Manifest Document No	2 Page 1		on in the shade by Federal law, t w.	
. C6500 or Endous to the ling 14 dyles 414 Plaza Drive	way Group Location	If Different		A: Illinois M		cument Numb	er E PAID
Suite 106	6499 Garv	Industrial H	ighway	B. Generato	rs il	J	APPLICABLI
Westmont, IL 60559	ASSISTANCE NUMBERS®	00-645-8265 US EPA ID Nu	mber	C. Transport	ters /	W01807	4304
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Transporter 2 Company Name	8. 	US EPA ID Nu	mber	E. Transport ID Number	ler's er	in the second	
Designated Facility Name and Site Ad	ldress 10.	US EPA ID Nu	mber	F. Transport		e ( <sup>[]</sup> ) βδε	とが <b>は</b> なる
Clean Harbors Service 11800 South Stony Isl				G. Facility's ID Number	er 10 / 13 /	1 6 0 0	<u>10 10 15 11</u>
Chicago, IL 60617	<u>L</u> T	I. D Ø Ø Ø 6	0 8 4 7 1 12. Conta	H. Facility's	7 13.	73 <sup>)</sup> 646-6	
. US DOT Description (Including Propo	er Snipping Ivame, Hazaro Ci	lass, and ID Number)	No.	,   3	otal antity	Litter laterates	Vaste No.
WASTE CORROSIVE LIQUI (Sulfuric Acid), 8, U	D, ACIDIC, INORG	ANIC, N.O.S.				EP/	K Ø 6 2
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				G=	GA	lovs	
Special Handling Instructions and Ad	ditional Information					wo# NB1	89251
ERG # 154							
GENERATOR'S CERTIFICATION: I her proper shipping name and are classified according to applicable international and	, packed, marked, and labeled,	and are in all respects in	lly and accurately proper condition	described above for transport by	e by highway	,	
If I am a large quantity generator, I cert be economically practicable and that I h and future threat to human health and the	ify that I have a program in pla ave selected the practicable mo ne environment; OR, if I am a s	ace to reduce the volume ethod of treatment, storac mall quantity generator, i	ne. or disposal cur	rently available	to me whi	ch minimizes ti	he present
select the best waste management method.  Printed/Typed Name		Signature	1			Month	Date Day Year
AND Kles-Aguitor	SD HishWAy G	al 1 )	2150		<del></del>	08	128
Transporter 1 Acknowledgement of R	eceipt of Materials	Signaturey ~ /	-//			Month	Date Day Year
Villian L. (1)	AINUSS	Willi	_/-	Jails		08	11291
Transporter 2 Acknowledgement of Re Printed/Typed Name	ecelpt of Materials	Signature	/ /	<u></u>		Month	Date Day Year
·							
Discrepancy Indication Space							
Facility Owner or Operator: Certification							
- down, control of operation commons	on of receipt of hazardous ma	terials covered by this	manifest except a	s noted in ite	m 19.		Date
Printed/Typed Name  3 UTLERS	on of receipt of hazardous ma	Signature:	manifest except a	as noted in ite	m 19.	Month	Date  Day Year

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Falture to provide this information may result in a civil penalty against the owner or operator not to 'exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

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THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

  Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UNC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste DO01 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections 1 and 1V of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified, however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I.	CHARAC	TERIST	IC WASTES DOOL THROUGH DO43							
.COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY		NO	COLUMN 3: WASTEWATER/ DN-WASTEWATER	COI	Lumn Ling		
	[]	D001	Ignitables, except High TOC subcategory	[	) W	√ [] Non-WW	1 2	3	4	6
•	ίi	D001		į	) No	on-WW only	1A -	3	6	
IIA:	X	D003	(Greater than or equal to 10% TOC) Corrosives	ι	) WI	Non-ww	(1) <sub>2</sub>	3	4	6
	j	[]	Reactive Sulfide, per 261.23(a)(5)	(	) W	w /[] Non-WW	1 3	4	5	6
	, "	( )	Reactive Cyanide, per 261.23(a)(5)	(	] WI	WW-noN [ ] W	1 3	4	5	6
		[ ]	Explosive, per 261.23(a)(6), (7) & (8)	ı	) WI		1 2	3	4	6
		[]	Water Reactive, per 261.23(a)(2), (3) & (4)	[	] No	on-WW only	1 2	3	4	6
		{ }	Other Reactive, per 261.23(a)(1)	(	) W	WW-noN ( ) W	1 2	3	4	6
		[ ]	Unexploded Ordnance, Emergency Response	t	) WI	W [] Non-WW	1 3	4	5	6
	[]	D004	Arsenic	[	) WI	W [] Non-WW	1 2	3	4	6
	[ ]	D005	Barium	1	} W1	WW-aon [ ] W	1 2	3	4	6
	[]	D006								
		[]	Cadmium	1	) W	W [] Non-WW	1 2	3	4	6
11/	/	<b>(1)</b>	Cadmium Containing Batteries	ŧ	) No	on-WW only	2 3	6		
	₩.	D007	Chromium	ı	) W	W Non-WW	(Î <sup>**</sup> ) 2	3	4	6
	5⊀	D008					$\sim$			
		30	Lead	1	} W	W Non-WW	<b>₩</b> 2	3	4	6
	_	1)	Lead Acid Batteries	ſ	] N	on WW only	2 3	6		

p-cresol)

Mantfent No. 118493098

# SECTION 1. CHARACTERISTIC WASTES DO01-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: _waste code / name	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: NANDLING CODE
	[ ] D009 [ ] Low Mercury, less than 260 mg/kg Mercury [ ] High Mercury Organic Subcategory [ ] High Mercury Inorganic Subcategory	[ ] WW	1 2 3 4 2 3 4 2 3 4
	[ ] D010 Selenium [ ] D011 Silver	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[] D012 Endrin	[ ] WW [ ] Non-WW	2 3 4 5 6
	[ ] D013 Lindane [ ] D014 Methoxychlor	[ ] WW	2 3 4 5 6 2 3 4 5 6
	D015 Toxaphene	[ ] WW [ ] Non-WW	2 3 4 5 6
	[ ] D016 2,4-D	Non-WW	2 3 4 5 6
	[ ] D017 2,4,5-TP (S1lvex)	[ ] WW	2 3 4 5 6 1 2 3 4 6
	[ ] D018 Benzene [ ] D019 Carbon tetrachloride	WW     Non-WW	1 2 3 4 6
	[ ] D020 Chlordane	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D021 Chlorobenzene	() WW () Non-WW	1 2 3 4 6
	[] D022 Chloroform	[] WW [] Non-WW	1 2 3 4 6
	[ ] D023 o-Cresol [ ] D024 m-Cresol	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[] D025 p-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[] D026 Cresol	[] WW [] Non-WW	1 2 3 4 6
	[] D027 1,4-Dichlorobenzene	[] WW [] Non-WW	1 2 3 4 6
	[] D028 1,2-Dichloroethane	[ ] WW	1 2 3 4 6
	[ ] D029 1,1-Dichloroethylene [ ] D030 2,4-Dinitrotoluene	[] WW [] Non-WW	1 2 3 4 6
	[] D031 Heptachlor (and its epoxide)	[] WW [] Non-WW	1 2 3 4 6
	[] D032 Hexachlorobenzene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D033 Hexachlorobutadiene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D034 Hexachloroethane [ ] D035 Methyl ethyl ketone	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[] D036 Nitrobenzene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D037 Pentachlorophenol	[] WW [] Non-WW	1 2 3 4 6
	[] D038 Pyridine	[ ] WW	1 2 3 4 6
	[ ] D039 Tetrachloroethylene [ ] D040 Trichloroethylene	[ ] WW	1 2 3 4 6
	[] D041 2,4,5-Trichlorophenol	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D042 2,4,6-Trichlorophenol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D043 Vinyl Chloride	[] WW [] Non-WW	1 2 3 4 6
SECTION II.	SPENT SOLVENT WASTES FOOT THROUGH FOOS		
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: - WASTE CODE / CONSTITUENTS	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
<u>:</u>	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F00	05 [] WW [] Non-WW	3 4 5 6
[]	1. ALL F001-F005 [ ] 12. Cyclohexanon 2. Acetone [ ] 13. o-Dichlorobe	<del></del>	. Pyridine . Tetrachloroethylene
<u> </u>	3. Benzene [] 14. 2-Ethoxyetha	<del></del>	. Toluene
[]	4. n-Butyl alcohol only)		. 1,1,1-Trichloro-
[ ]	5. Carbon disulfide [] 15. Ethyl acetat		ethane
	6. Carbon tetrachloride [ ] 16. Ethyl benzen 7.7 Chlorobenzene [ ] 17. Ethyl ether	e [ ] 29	. 1,1,2-Trichloro- ethane
::	Ri o-Cresol [] 18. Isobutyl alc	ohol [ ] 30	. Trichloroethylene
<u> </u>	9. m-Cresol (difficult to [ ] 19. Methanol		. 1,1,2-Trichloro-
	distinguish from [] 20. Methylene ch		1,2,2-trifluoroethane
r 1	p-cresol) [ ] 21. Methyl ethyl 10. p-Cresol (difficult to [ ] 22. Methyl isobu		<ul> <li>Trichloromonofluoro- methane</li> </ul>
[]	10. p-Cresol (difficult to [] 22. Methyl isobu distinguish from [] 23. Nitrobenzene	=	methane . Xylene - mixed isome
	m-cresol) [] 24. 2-Nitropropa		(sum of o-, m-, and
[]	11. Cresol - mixed isomers only) (sum of o-, m- and		p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

#### SECTION III. CALIFORNIA LIST WASTES

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2 WASTE CODE / SUBCATEGORY		WV:	STEW	N 3: ATER/ EWATER		COLUMN 4: HANDLING CODE					
	Hazardous waste containing one or more of the following California List constituents:	[ ]	ww	ŧ	] Non-W	1	2	3	4	5	6	
	<ul> <li>ALL CALIFORNIA LIST CONSTITUENTS</li> <li>Liquids with nickel greater than or equal to 134 mg/</li> <li>Liquids with thallium greater than or equal to 130 m</li> <li>Liquids with PCB's &gt; or = 50 ppm</li> <li>Waste containing HOC's &gt; or = 1,000 mg/kg</li> </ul>	-										

SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K., U-, AND P CODES)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUNCATEGORY	WAS	DLUMN 3: STEWATER/ MASTEWATER	COLUMN 4: HANDLING CODE
<u> 114</u>	K062	[ ] WW	Non-ww	3 4 5 6
		( ) ww	/ [ ] Non-WW	3 4 5 6
		[ ] ww	[ ] Non-WW	3 4 5 6
		[ ] ww	[] Non-WW	3 4 5 6
		[ ] ww	( ) Non-WW	3 4 5 6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE

Print Name:

AJENT FOR
6500 INDUSTRING
Highway Group

### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulface precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Purmuant to 40 CFR 260.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

> CHI Form LDR-1, Page 3 of 3 [Effective 08/24/98]

ASE TYPE (Form designed for use on elite (	(12-pitch) typewriter) EP	A Form 8700-22 (Rev	<u>-</u>	Form Appro	760 CIVID 140	2050-0039
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No I N D Ø 4 Ø 8 8 8	Docur	nifest ment No.	2. Page 1 of 1	Information in required by F illinois law.	n the shaded areas is n ederal law, but is required l
. GefisooorT <b>nehustrikal</b> in <b>glanghee</b> ay ( 414 Plaza Drive Suite 106	Group Location If Differen		av [ˈ	*IL**84	9313	ent Number FEE PAID IF APPLICABL
Westmont, IL 60559 *24 HOUR EMERGENCY AND SPILL ASSIS	Gary, IN 4	16406	_	B. Generator's ID Number		
Transporter 1 Company Nama Da Harbars CM. Son	way In MAD	S EPA ID Number <i>0</i> 3 93 <i>20</i>	727 I	C. Transporter ID Number D. Transporter	s Phone (	1 1 249 - 12
Transporter 2 Company Name		S EPA ID Number	Ľ.	E. Transporter ID Number	· ,*,	the state of the s
Designated Facility Name and Site Address		S EPA ID Number	<b>!</b>	G. Facility's IL	विकास है ।	
Clean Harbors Services Ir 11800 South Stony Island Chicago, IL 60617	Ave ILD@	00608	<del>4/!</del>	ID Number I. Facility's Pl	none (773	6 0 0 0 0 15 1 646-6202
. US DOT Description (Including Proper Ship)	ping Name, Hazard Class, and I	D Number)	12. Contain No. T	iers 13 To ype Quai	al U	4. nit Vol Waste No.
WASTE CORROSIVE LIQUID, A (Sulfuric Acid), 8, UN326	ACIDIC, INORGANIC, 54, II	N.O.S.				EPA HW Number
3(4)8			0/1	1001	000	EPA HW Numbers
		•			,	
	1,					EPA HW Number
	·		• •	·		EPA HW Number
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医抗性性 医二甲基苯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10		par description		des for Was	stes Listed Above
1a CH14418 <b>85</b> 2 D002 <b>Book</b>	ove D007/, D008		A Telephone	Handling Co In Item #14	des for Was	stes Listed Above
1a) CH14418 <b>85</b> D002, <b>1000</b> 2	-D007/D008		A Telephone	. In Item #14	gr. Brogger Million	
1a CH14418 <b>85</b> D002 <b>See</b>	-D007/D008		A Telephone	. In Item #14	gr. Brogger Million	
Tal CH14418 D002 Sees D002	D007 D008  Information  Clare that the contents of this consider, marked, and labeled, and are in	gnment are fully and a	accurately de	In Item #14	grange grand	o# NB <del>190163</del> 129251
Tal CH1441888 D002 Sees 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	clare that the contents of this consider, marked, and labeled, and are in all government regulations.  I have a program in place to reduce the practicable method of tre ronment; OR, if I am a small quantil	gnment are fully and a all respects in proper ce the volume and to atment, storage, or di ty generator, I have m	accurately de condition for dicity of was sposal curre	escribed above or transport by he te generated to nity available to	by sighway	o# NB190163 129251 UR
GENERATOR'S CERTIFICATION: I hereby dec proper shipping name and are classified, packe according to applicable international and nations if I am a large quantity generator, I certify that be economically practicable and that I have sale and future threat to human health and the envir select the best waste management method that	clare that the contents of this consider, marked, and labeled, and are in all government regulations.  I have a program in place to reduce the practicable method of the ronment; OR, if I am a small quantities available to me and that I can all the contents of this consistency of the contents of the co	gnment are fully and a all respects in proper ce the volume and to atment, storage, or dity generator, I have milliord.	accurately de condition for dicity of was sposal currenade a good	escribed above or transport by he te generated to not faith effort to not faith effort to not the terms of th	by sighway	o# NB190163 129251 UR
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GENERATOR'S CERTIFICATION: I hereby dec proper shipping name and are classified, packe according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have sel and future threat to human health and the envir select the best waste management method that Printed/Typed Name  Printed/Typed Name  Printed/Typed Name  Transporter 1 Acknowledgement of Receipt of Printed/Typed Name	Information  clare that the contents of this consider, marked, and labeled, and are in all government regulations.  I have a program in place to reduce the practicable method of the content, OR, if I am a small quantities available to me and that I can all the contents of the contents	gnment are fully and a all respects in proper ce the volume and to atment, storage, or dity generator, I have militord.	accurately de condition for dicity of was sposal currenade a good	escribed above or transport by he te generated to not faith effort to not faith effort to not the second sec	by sighway	I have determined to minimizes the present waste generation and Date  Month Day Ma  Date  Month Day Yea  Date  Month Day Yea  Date
GENERATOR'S CERTIFICATION: I hereby deeproper shipping name and are classified, packer according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have sell and future threat to human health and the envir select the best waste management method that Printed/Typed Name  Printed/Typed Name  Printed/Typed Name  Printed/Typed Name  Transporter 1 Acknowledgement of Receipt of Printed/Typed Name	Information  Clare that the contents of this consideration and labeled, and are in all government regulations.  I have a program in place to reduce the practicable method of the ronment; OR, if I am a small quantit is available to me and that I can a small quantity of Materials  Of Materials  Signature	gnment are fully and a all respects in proper ce the volume and to atment, storage, or dity generator, I have mitord.	accurately de condition for dicity of was sposal curre lade a good	escribed above or transport by he te generated to nithy available to faith effort to n	by highway the degree one which runimize my	I have determined to minimizes the present waste generation and Date  Month Day Ma  Date  Month Day Yea  Date  Month Day Yea  Date

Manifest No. 118445151

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is submequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(h): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- \*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I.	CHARACTERIST	IC WASTES DOO1 THROUGH D043								
COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ NON-WASTEWATER	C) Hani			4 : COI	
:	[ ] D001 [ ] D001	Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	-			1 1A	2	3	4 6	6
1117	D002 D003	Corrosives		J	WW Non-WW		2	3	4	6
	, 1	Reactive Sulfide, per 261.23(a)(5) Reactive Cyanide, per 261.23(a)(5)	ĺ	ì	WW ( ) Non-WW	1	3	4	5	6
	[ ]	Explosive, per 261.23(a)(6), (7) & (8)	- [	)	WW [] Non-WW	1	2	3	4	6
	[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	- 1	)	Non-WW only	1	2	3	4	6
	[ ]	Other Reactive, per 261.23(a)(1)	l	}	WW [] Non-WW	1	2	3	4	6
	[ ]	Unexploded Ordnance, Emergency Response	(	1	WW [] Non-WW	1	3	4	5	6
	[ ] D004	Arsenic	- [	1	WW [] Non-WW	1	2	3	4	6
11A	[ ] D005	Barium	ſ	1	WW [] Non-WW	1	2	3	4	6
	( M	Cadmium	ſ	]	WW Non-WW	$\odot$	2	3	4	6
$11$ $\Lambda$	/()	Cadmium Containing Batteries	i	j	Non-WW only	2	3	6		
+		Chromium	Į	]	WW Non-ww	$\mathcal{O}$	2	3	4	6
<del></del>	/ W.	Lead	Į	1	WW DA Non-WW	$\Box$	2	3	4	6
	11	Lead Acid Batteries	ι	Ì	Non-WW only	2	3	6		

p-cresol)

Manifest No. IL849313/

# SECTION 1. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: -WASTE CODE / NAME:		COLUMN 3. WASTEWATER/ NON-WASTEWATER	COLUMN 4:
	[ ] [ ] [ ] [ ]	Low Mercury, less than 260 mg/ High Mercury Organic Subcatego High Mercury Inoiganic Subcate	gory [ ]	l Non WW only	2 3 4 2 3 4
	[ ] D010 [ ] D011	Selenium Silver	1 1		
	[] D012	Endrin	[ ]		
	[ ] D013	Lindane	[ ]		
<del></del>	[ ] D014	Methoxychlor .	[ ] [ ]		
	[ ] D015 [ ] D016	Toxaphene 2,4-D		lww llwon-	
	[ ] D017	2,4,5-TP (Silvex)	· 1		
	[ ] D018	Benzene	t :	] WW [ ] Non-	
	[ ] D019	Carbon tetrachloride	Į į	] WW [ ] Non-	WW 12346
	[ ] D020	Chlordane	i :	] WW [ ] Non-	WW 12346
	[ ] D021	Chlorobenzene	1 :		
	[ ] D022	Chloroform	Į.	· · · · · · · · · · · · · · · · · · ·	
	( ) D023	o-Cresol	Į.		
	[ ] D024	m-Cresol		• • •	
	[ ] D025 [ ] D026	p-Cresol Cresol	[ ]		
	[ ] D028	1,4-Dichlorobenzene	ì		
	[ ] D028	1,2-Dichloroethane	i		
	[ ] D029	1,1-Dichloroethylene	Ī		
	[ ] D030	2,4-Dinitrotoluene	1.	) WW { } Non-	WW 1 2 3 4 6
	[ ] D031	Heptachlor (and its epoxide)	ſ	) WW ( ) Non-	
	[ ] D032	Hexachlorobenzene		] WW [ ] Non-	
	[ ] D033	Hexachlorobutadiene	į.	] WW [ ] Non- ] WW [ ] Non-	
	[ ] D034 [ ] D035	Hexachloroethane Methyl ethyl ketone	<u> </u>	] WW [ ] Non-	
	[ ] D036	Nitrobenzene	i		
	[ ] D037	Pentachlorophenol		] WW [ ] Non-	- · · ·
	[ ] D038	Pyridine	1	) WW [ ] Non-	WW 1 2 3 4 6
	[] D039	Tetrachloroethylene	1	] WW [ ] Non-	
	[] D040	Trichloroethylene	· ·	WW     Non-	
	[ ] D041	2,4,5-Trichlorophenol		] WW [ ] Non-	
	[ ] D042 [ ] D043	2,4,6-Trichlorophenol	l I	] WW [ ] Non- } WW [ ] Non-	
	( ) DO43	Vinyl Chloride	,	) was [ ] NOIL-	nn 1 2 3 4 6
SECTION II.	SPENT SOLVE	ENT WASTES FOOL THROUGH FOOS			
COLUMN 1:		COLUMN 2:		COLUMN 3:	COLUMN 4:
LINE ITEM SEE MANIFEST		WASTE CODE / CONSTITUENTS		WASTEWATER/ NON-WASTEWATER	HANDLING CODE
•	[ ] F001	[] F002	04 { } F005 [	] WW [ ] Non-	.ww 3 4 5 6
[]	1. ALL FOOT		. Cyclohexanone . o-Dichlorobenzene	[	<u> </u>
· ( )	3. Benzene		. 2-Ethoxyethanol (		•
· i i	4. n-Butyl	alcohol	only)		] 28. 1,1,1-Trichloro-
	5. Carbon o		. Ethyl acetate		ethane
[]	•		. Ethyl benzene		
[]	7.7 Chlorobe		. Ethyl ether	r	ethane
[]	9. m-Creso		. Isobutyl alcohol . Methanol	[	<del>.</del>
ı J	distingu		. Methanor . Methylene chlorid		1,2,2-trifluoroethane
	p-cresol		. Methyl ethyl keto		
[]		l (difficult to { } 22	. Methyl isobutyl k		methane
	distingu	ish from [ ] 23	. Nitrobenzene	[	
_	m-cresol		. 2 Nitropropane (Γ	005	(sum of o-, m-, and
[]		- mixed isomers o-, m- and	only)		p-xylene)

CLEAN HARBORS	ENVIRONMENTAL SERVICES, INC.	
LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	

Manifest No. 11849315/

	SECTION	III.	CALIFORNIA	LIST	WASTES
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COLUMN 1: LINE ITEM SEE MANIFEST	WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4:
	Hazardous waste containing one or more of the following California List constituents:	[ ] WW [ ] Non-WW	1 2 3 4 5 6
	[] ALL CALIFORNIA LIST CONSTITUENTS [] Liquids with nickel greater than or equal to 134 mg/ [] Liquids with thallium greater than or equal to 130 mg/ [] Liquids with PCB's > or = 50 ppm [] Waste containing HOC's > or = 1,000 mg/kg		
SECTION IV.	OTHER LISTED WASTES (F006-12, F019 1028, 1017 38, 1019, K	U AND P CODES)	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
11A	K062	[] WW [ Non-WW	3 4 5 6
		[ ] WW [ ] Non-WW	3 4 5 6
	<del></del>	[ ] WW [ ] Non-WW	3 4 5 6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

[ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE

Print Name: FRED G. KRIKAV

Date

8-13.99

Non-WW

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

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WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

CHI Form LDR-1, Page 3 of 3 [Effective 08/24/98]

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 State Form LPC 62 8/81 IL532-0610 FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

Form Approved OMB No 2050-0039 3//2 LEASE TYPE (Form designed for use on elite (12 pitch) typewriter) EPA Form 8700-22 (Rev. 6-89) Manifest Document No. Information in the shaded areas is not **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. required by Federal law, but is required by 3. Generator's Name and Mailing Address
6500 Industrial Historyay
Drive Suffett 100 WASTE MANIFEST END 04022899 000/0 A. Illinois Manifest Document Number 1 Group B. Ilimois 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS Transporter's Phone 9. Designated Facility Name and Site Address US FPA ID Number G. Illinois Clean Harbors Services, Inc. 11800 South Stony Island Ave Facility's 1031/160000051 H. Facility's Phone 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number 13. Total 12. Containers Waste No. · Hazardous Waste ligura, N-OS. (Chrones-Colinium), a, NA3082, PGTT J. Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, and disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Date 17. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name ANSPORTER 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Year BUT CER

This Agency is authorized to require, pursuant to illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

**COPY 1. TSD MAIL TO GENERATOR** 

SECTION I. CHARACTERISTIC WASTES DOOL THROUGH DO43

Manifest No.

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., lla) that corresponds to the waste code(s).

Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system. CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A The waste is a characteristic hazardous waste DOO1 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 The waste is a characteristic hazardous waste DOO1 (other than High TOC Ignitable Liquids), DOO2, DOO3 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States. all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CPR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45°; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P076, U134, and U151 are not eligible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT COMPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION PORM.

-	Charac	EKISI	IC WASTES DOUT THROUGH DU43											
COLUMN 1: LINE ITEM SEB MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY		1	Colu Wasti Non-Was	ENA:	TER/			umu Ing			
	[]-	D001	Ignitables, except High TOC subcategory	[]	)	WW	( )	Non-WW	1	2	3	4	6	
	[]	D001	High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)		3	Non-WW	on.	ly	1.8.		3	6		
	[]	D002	COTTOBLVEB	[ ]	]	WW	( )	Non-WW	1	2	3	4	6	
	[]	D003												
		[]	Reactive Sulfide, per 261.23(a)(5)		}	ww	{ }	Non-ww	1	3	4	5	6	
		[]	Reactive Cyanide, per 261.23(a)(5)	[ ]	}	NM	[ ]	Non-WW	1	3	4	5	6	
		[ ]	Explosive, per 261.23(a)(6), (7) & (8)		}	NW	[ ]	Non-AM	1	2	3	4	6	
		[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	[ ]	)	Non-WW	on	ly	1	2	3	4	6	
		<b>f</b> ⊘]"	Other Reactive, per 261.23(a)(1)	[ ]	}	WW	[ ]	Non-WW	1	2	3	4	6	
		[]	Unexploded Ordnance, Emergency Response	1	)	WW	[ ]	Non-WW	1	3	4	5	6	
	[ ]	D004	Arsenic	į į	)	WW	[ ]	Non-WW	1	2	3	4	6	
	ĹĬ	D005	Barium	ť	1	WW	[]	Non-WW	1	2	3	4	6	
	44	D006		•			_		~					
	7-	<b>D</b>	Cadmaum us	[ ]	1	WW	04	Non-WW	71)	2	3	4	6	
		(i)	Cadmium Containing Battéries	ſ	1	Non-WW	on	lγ	2	3	6			
ILM	Χí	D007	Chromium	į į				Non-WW	(i)	2	3	4	6	
	1	D008		-		(	_	•						
		[]	Lead	(	]	WW	[ ]	Non-WW	1	2	3	4	6	
		[]	Lead Acid Batteries	(	)	Non - ww	on	lγ	2	3	6			

p-cresol)

Manafest No. <u>TL74(8744</u>

# . I. CHARACTERISTIC WASTES DO01-43 (CONTINUED)

JLUMN 1: L' TTEM	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
		HOW-MAD I BHALDIC	
	( ) D009		
		[] WW [] Non-WW	1 2 3 4 2 3 4
		[ ] Non-WW only [ ] Non-WW only	2 3 4
	[] D010 Selenium	[] WW [] Non-WW	1 2 3 4 6
	[ ] DO11 Silver	[] WW [] Non-WW	1 2 3 4 6
	[] D012 Endrin	[ ] WW [ ] Non-WW	2 3 4 5 6
	( ) D013 Lindane	[ ] WW [ ] Non-WW	2 3 4 5 6
	[ ] D014 Methoxychlor	[ ] WW [ ] Non-ww	2 3 4 5 6
<del></del>	[] D015 Toxaphene	[] WW [] Non-WW	2 3 4 5 6
	[ ] D016 2,4-D	[] WW [] Non-WW	2 3 4 5 6
	[ ] D017 2,4,5-TP (Silvex) [ ] D018 Benzene	[] WW [] Non-WW	2 3 4 5 6
	[ ] D018 Benzene [ ] D019 Carbon tetrachloride	[] WW [] Non-WW []	1 2 3 4 6
	[ ] D020 Chlordane	[] WW [] Non-WW	1 2 3 4 6
	[] D021 Chlorobenzene	[] WW [] Non-WW	1 2 3 4 6
	[] D022 Chloroform	[] WW [] Non-WW	1 2 3 4 6
	[] D023 o-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D024 m-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D025 p-Cresol	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D026 Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D027 1,4-Dichlorobenzene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D028 1,2-Dichloroethane	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D029 1,1-Dichloroethylene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D030 2,4-Dinitrotoluene	[] WW [] Non-WW	1 2 3 4 6
	[] D031 Heptachlor (and its epoxide)	[] WW [] Non-WW	1 2 3 4 6
	[] D032 Hexachlorobenzene [] D033 Hexachlorobutadiene	[ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6
<del></del>	[] D034 Hexachloroethane	[ ] WW [ ] Non-WW [ ] WW [ ]	1 2 3 4 6
	[] D035 Methyl ethyl ketone	[] WW [] Non-WW	1 2 3 4 6
<del></del>	[] D036 Nitrobenzene	[] WW [] Non-WW	1 2 3 4 6
	[] D037 Pentachlorophenol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D038 Pyridine	[] WW [] Non-WW	1 2 3 4 6
	[ ] D039 Tetrachloroethylene	[] WW [] Non-WW	1 2 3 4 6
~ ~~~~	[ ] D040 Trichloroethylene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D041 2,4,5-Trichlorophenol	[] MM [] NOU-MM	1 2 3 4 6
	[] D042 2,4,6-Trichlorophenol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D043 Vinyl Chloride -	[] WW [] Non-WW	1 2 3 4 6
SECTION II.	SPENT SOLVENT WASTES FOO1 THROUGH FOO5		
COLUMN 1: LINE ITEM	COLUMN 2:	COLUMN 3:	COLUMN 4:
SEE MANIFEST	WASTE CODE / CONSTITUENTS	WASTEWATER/	HANDLING CODE
200 (DUILESI		non-wastewater	
	[] P001 [] F002 [] F003 [] P004 [] F005	[ ] WW [ ] Non-WW	3 4 5 6
[]	1. ALL F001-F005 [ ] 12. Cyclohexanone	[]	25. Pyridine
	2. Acetone [] 13. o-Dichlorobenze		26. Tetrachloroethylene
	3. Benzene [ ) 14. 2-Ethoxyethano:	- ''''	27. Toluene
	4. n-Butyl alcohol only)		28. 1,1,1-Trichloro-
	5. Carbon disulfide [ ] 15. Ethyl acetate		ethane
	6. Carbon tetrachloride [] 16. Ethyl benzene	()	29. 1,1,2-Trichloro-
	7. Chlorobenzene [] 17. Ethyl ether		ethane
	8. o-Cresol [] 18. Isobutyl alcoho 9. m-Cresol (difficult to [] 19. Methanol	· · · · · · · · · · · · · · · · · · ·	30. Trichloroethylene 31. 1.1,2-Trichloro-
			1.2.2-trifluoroethane
	distinguish from [] 20. Methylene chlor p-cresol) [] 21. Methyl ethyl k		32. Trichloromonofluoro-
[]	10. p-Cresol (difficult to [] 22. Methyl 180buty		methane
_ <del></del>	distinguish from [] 23. Nitrobenzene		33. Xylene - mixed isomer
	m-cresol) [ ] 24. 2-Nitropropane		(sum of o-, m-, and
()	<del>-</del> .		(sum of o-, m-, and p-xylene)

CLEAR	HARBORS	ENVIRONMENTAL	L SERVICES,	INC.	
LAND	DISPOSAL	RESTRICTION 1	NOTIFICATION	FORM	LDR-1

Manifest No. 117418744

[ ] Non-WW

| Non-WW

[ ] WW

LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	Manifest N	o. <u>4</u>	<u> </u>				
SECTION III.	CALIFORNIA LIST WASTES						J	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		WAST	JUMN 3: TEWATER/ ASTEWATER		LUMN 4 LING (		
<del></del>	Hazardous waste containing one or more of the foll California List constituents:	lowing [ ]	ww	[ } Non-WW	1 2	3 4	5 6	
	[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to [ ] Liquids with thallium greater than or equal to [ ] Liquids with PCB's > or = 50 ppm [ ] Waste containing HOC's > or = 1.000 mg/kg							
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F0	039, K-, U-	, AND	P-CODES)				
COLUMN 1: LINE ITEM SEB MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		WAS	LUMN 3:   TEWATER/   ASTEWATER		LUMN (		
		(1	WW	[ ] Non-WW	3	4 5	6	
		[]	พพ	[ ] Non-WW	3	4 5	6	
		[]	WW	[ ] Non-WW	3	4 5	6	

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

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State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

jt						Rev. 6-89)			AB No. 205		
	UNIFORM HAZARDOUS WASTE MANIFEST		<ol> <li>Generator's</li> <li>N D Ø</li> </ol>			Manifest Document No.		age 1 Information requirements of 1 Illinois	ed by Fede	he shaded areas eral law, but is requ	is not rired by
	600 militario in indiagna	way Gr	oup Lo	cation If Di	ifferent		A. IIIi	nois Manifest [	ocumen	t Number	
Su	4 Plaza Drive ite 106		6	499 Ir	ndustrial Hig	hwav		849:	23.	IF APPLIC	
Wes	stmont. IL 60559		G	arv. ]	TN 46406		B. Ge	nerator's Number	BB	1799	90
4. *24 H	OUR EMERGENCY AND SPILL	L ASSISTA	NCE NUMBE	RS-800-	-645-8265		1	ansporter's.			
5. Trans	sporter 1 Company Name		_ (	6.	US EPA ID Numbe	_	ANSID.	Number U	PW-	0180743	- OH
_ <u></u>	Atherops ENV. SE	noites,	<del></del>	MAI				ánsporter's Pho	one (//	<u> 1844-18</u>	00.
7. Trans	sporter 2 Company Name			8. 	US EPA ID Numbe	er 	· · · ID	ansporter's Number		کارچون ہے۔ محمد ادار	ه ادر ر ده اده
9. Desig	nated Facility Name and Site Ad	ddress	10	0.	US EPA ID Numbe	er		ansporter's Pho	one (	Value Or Ch	
Cle	ean Harbors Service 800 South Stony Isl	es Inc	ve				'Ji ID			0000	<u>5 1</u>
	icago, IL 60617			IL	D00060	8 4 7 1	H. Fa	cility's Phone (	773 <sup>)</sup> (	546-6202 £	100
11. US [	DOT Description (Including Prope	er Shippin	g Name, Haza	ard Class,	and ID Number)	12. Conta	iners	13. Total	14. Unit		
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Manifest No. TUS493337

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

# \*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

#### SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH D043 COLUMN 1: COLUMN 2: COLUMN 3: COLUMN 4: LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE SEE MANIFEST NON-WASTEWATER Ignitables, except High TOC subcategory [ ] WW [ ] Non-WW 2 3 4 High TOC Ignitable Liquids Subcategory [ ] Non-WW only [ ] D001 1 A 3 (Greater than or equal to 10% TOC) [ ] WW [] D002 Corrosives [ ] Non-WW 2 3 D003 [] Reactive Sulfide, per 261.23(a)(5) [ ] WW [ ] Non-WW 3 5 [] 1 Reactive Cyanide, per 261.23(a)(5) [ ] WW [ ] Non-WW f 1 1 Explosive, per 261.23(a)(6), (7) & (8) [ ] WW [ ] Non-WW 1 [ ] Water Reactive, per 261.23(a)(2), (3) & (4) [ ] Non-WW only [] 1 3 [] Other Reactive, per 261.23(a)(1) [ ] ww [ ] Non-WW 1 [] Non-WW Unexploded Ordnance, Emergency Response [ ] WW 1 3 5 [ ] [ ] D004 Arsenic [ ] WW [] Non-WW 1 2 4 [ ] WW [] Non-WW [ ] D005 Barium 1 [ ] D006 [ ] WW [] Non-WW 1 2 3 4 [ ] Cadmium Cadmium Containing Batteries [ ] Non-WW only [ ] [ ] WW Chromium [ Non-WW 3 D007 D008 [ ] WW [ ] Non-WW [ ] Lead 1 2 3 4 6 Lead Acid Batteries [ ] Non-WW only [] 2 3 6

Manifest No. <u>TL8493239</u>

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	,	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] D009	Low Mercury, less than 260 mg/kg Mercury High Mercury Organic Subcategory High Mercury Inorganic Subcategory Selenium Silver Endrin Lindane Methoxychlor Toxaphene 2,4-D 2,4,5-TP (Silvex) Benzene Carbon tetrachloride Chlordane Chlorobenzene Chloroform o-Cresol m-Cresol p-Cresol Cresol 1,4-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene 2,4-Dunitrotoluene	[] ww [] Non-ww [] Non-ww only [] Non-ww only [] ww [] Non-ww [] ww [] Won-ww	1 2 3 4 2 3 4 1 2 3 4 6 1 2 3 4 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 6 6 1 2 3 4 6
	[ ] D031 [ ] D032 [ ] D033 [ ] D034 [ ] D035 [ ] D037 [ ] D037 [ ] D038 [ ] D039 [ ] D040 [ ] D041 [ ] D042	Heptachlor (and its epoxide) Hexachlorobenzene Hexachlorobenzene Hexachlorobetane Methyl ethyl ketone Nitrobenzene Pentachlorophenol Pyridine Tetrachloroethylene Trichloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Vinyl Chloride	[] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
SECTION II.  COLUMN 1: LINE ITEM SEE MANIFEST	SPENT SOLVEN	COLUMN 2: WASTE CODE / CONSTITUENTS  [] F002 [] F003 [] F004 [] F0	COLUMN 3: WASTEWATER/ NON-WASTEWATER  05 [] WW [] NON-WW	COLUMN 4: HANDLING CODE  3 4 5 6
	1. ALL F001- 2. Acetone 3. Benzene 4. n-Butyl a 5. Carbon di 6. Carbon te 7. Chloroben 8. o-Cresol 9. m-Cresol distinguis p-cresol) 10. p-Cresol distinguis m-cresol) 11. Cresol (sum of o- p-cresol)		enzene [] 26. anol (F005 [] 27. [] 28. anol [] 29. anol [] 30. [] 31. aloride [] 32. alteride [] 32. alteride [] 33. alteride [] 33. anol [] 33.	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

SECTION III. CALIFORNIA LIST WASTES COLUMN 1: COLUMN 2: COLUMN 3: COLUMN 4: LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE SEE MANIFEST NON-WASTEWATER Hazardous waste containing one or more of the following [ ] WW [ ] Non-WW California List constituents: ALL CALIFORNIA LIST CONSTITUENTS Liquids with nickel greater than or equal to 134 mg/l [ ] Liquids with thallium greater than or equal to 130 mg/l , "L [ ] Liquids with PCB's > or = 50 ppm: [ ] Waste containing HOC's > or = 1,000 mg/kg SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, U-, AND P-CODES) COLUMN 1: COLUMN 2: COLUMN 3: COLUMN 4: LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE SEE MANIFEST NON-WASTEWATER [ ] WW [ ] Non-WW 4 5 6 [ ] Non-WW [ ] WW [ ] Non-WW [ ] Non-WW [ ] WW [] Non-WW [ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET. CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND

Date:

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facılıty would treat organic or ınorganic aqueous wastes and dıscharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

М	LEASE TYPE (Form designed for use on elite (12-pitch) typewriter) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB	No 2050-0039
4	UNIFORM HAZARDOUS  1. Generator's US EPA ID No.  WASTE MANIFEST  1. Generator's US EPA ID No.  Manifest Document No.  IND 0 4 0 8 8 8 9 9 2 000 i 7 of 1 Illinois lateral life of 1 Ill	on in the shaded areas is not by Federal law, but is required by w.
$\ $	3 da Mora Rights Labadin Hashway Group   coation if Different   A. Illinois Manifest Do	cument Number
П		38 FEE PAID IF APPLICABLE
ı	Westmont, IL 60559 Gary, IN 46406 B? Generator's IL 60559 ID Number	
	4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265  5. Transporter 1 Company Name  6. US EPA ID Number  ID Number  ID Number	1/1/8/174304
	Clean Hy rooms Env. Services Inc. MAD(239,32225) D. Transporter's Phone	73,118,40-1800
	7. Transporter 2 Company Name 8. US EPA ID Number E. Transporter's ID Number	The subsequents of the second
	9. Designated Facility Name and Site Address 10. US EPA ID Number F: Transporter's Phone	(原理)的特殊學學
	1 44000 0 L 04 T-1 1 3	1 6 0 0 0 0 5 1
İ	11800 South Stony Island Ave Chicago, IL 60617	
l	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  12. Containers  Total	Unit Waste No.
G	a. WASTE CORROSTVE LITOUTD ACTOR TNORGANTO N.O.S.   No.   Type   Quantity	Wt/Vol EPA HW Number
E	(buildite Acid), 0, 0x3204, 11	K 0 6 2
N E	$(X) \cdot (T \cdot T) \cdot (Y \cdot Y \cdot $	
R	b.	EPA HW Number
A T		Same Same
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R		76.74.3
İ	d.	EPA HW Number
		****
		Fr. D. C. sense
ı	J. Additional Description for Materials Listed Above 11a CH144188B D002 D006 D007 D008	Wastes Listed Above
	11a CH144188B D002, D006, D007, D008	
١		
l		1996年
	15. Special Handling Instructions and Additional Information	wo# NB190163
	•	
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway	
П	according to applicable international and national government regulations.	
l	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the deg be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me whi	ch minimizes the present
П	and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize select the best waste management method that is available to me and that I can afford.	
Ц	Printed/Typed Name 1500 Figurature	Month Day Year
4	MY DY US. FACUSTY of Augustavore De To	08/17/99
T R	17. Transporter 1 Ackrowledgement of Receipt of Materials  Printed/Typed Name  Signature	Month Day Year
N	Scott Kosh LK	081/1799 8
B	18. Transporter 2 Acknowledgement of Receipt of Materials	Date
ř	Printed/Typed Name Signature	Month Day Year
		╼╼┵╌┦╌┦╌┦╌┦
.	19. Discrepancy Indication Space 13-918001999	ا ا
Ā	•	
!	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.	Date
	Printed/Typed Name Signature	Month Day Year
_1	his Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the	e Anency Feiture to provide
TI	als information may result in a civil penalty spainst the owner or operator not to exceed \$25,000 per day af violation. Falsification of this information may result in a civil penalty spainst the owner or operator not to exceed \$25,000 per day af violation. Falsification of this information may result.	o rigority. I dilate up provide

Manifest No. ILS493338

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

# \*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USB THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

#### SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH D043

COLUMN 2: WASTE CODE / SUBCATEGORY										
Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC) Corrosives	_	j	Non-WW o	nly	1 1A 1	2	3 3 3	4 6 4	6	
Reactive Sulfide, per 261.23(a)(5) Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6); (7) & (8) Water Reactive, per 261.23(a)(2), (3) & (4) Other Reactive, per 261.23(a)(1) Unexploded Ordnance, Emergency Response Arsenic Barium	]	]	WW [  WW TON WW  WW [  WW [  WW [	Non-WW Non-WW Non-WW Non-WW Non-WW	1 1 1 1 1 1	3 2 2 2 3 2	4 4 3 3 4 3 3	5 4 4 4 5 4	6 6 6 6 6	
Cadmium Cadmium Containing Batteries Chromium	_	]	WW Non-WW or	l Non-WW	1	) <sub>2</sub> 3 2	3 6 3	4	6	
	WASTE CODE / SUBCATEGORY  Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC) Corrosives  Reactive Sulfide, per 261.23(a) (5) Reactive Cyanide, per 261.23(a) (5) Explosive, per 261.23(a) (6), (7) & (8) Water Reactive, per 261.23(a) (2), (3) & (4) Other Reactive, per 261.23(a) (1) Unexploded Ordnance, Emergency Response Arsenic Barium  Cadmium Cadmium Containing Batteries	WASTE CODE / SUBCATEGORY  Ignitables, except High TOC subcategory [ High TOC Ignitable Liquids Subcategory [ (Greater than or equal to 10% TOC)  Corrosives [  Reactive Sulfide, per 261.23(a)(5) [ Reactive Cyanide, per 261.23(a)(5) [ Explosive, per 261.23(a)(6); (7) & (8) [ Water Reactive, per 261.23(a)(2), (3) & (4) [ Other Reactive, per 261.23(a)(1) [ Unexploded Ordnance, Emergency Response [ Arsenic [ Barium [ Cadmium [ Cadmium Containing Batteries [	WASTE CODE / SUBCATEGORY  Ignitables, except High TOC subcategory [] High TOC Ignitable Liquids Subcategory [] (Greater than or equal to 10% TOC) Corrosives []  Reactive Sulfide, per 261.23(a)(5) [] Exaplosive, per 261.23(a)(6), (7) & (8) [] Water Reactive, per 261.23(a)(2), (3) & (4) [] Other Reactive, per 261.23(a)(1) [] Unexploded Ordnance, Emergency Response [] Arsenic [] Barium [] Cadmium [] Cadmium [] Cadmium []	WASTE CODE / SUBCATEGORY  WASTEWNON-WAST  Ignitables, except High TOC subcategory [] WW [ High TOC Ignitable Liquids Subcategory [] Non-WW or (Greater than or equal to 10% TOC)  Corrosives [] WW [ Reactive Sulfide, per 261.23(a)(5) [] WW [ Reactive Cyanide, per 261.23(a)(5) [] WW [ Explosive, per 261.23(a)(6), (7) & (8) [] WW [ Water Reactive, per 261.23(a)(2), (3) & (4) [] NON-WW or (Comparison of the Comparison of the Co	WASTE CODE / SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)  Corrosives  Reactive Sulfide, per 261.23(a) (5)  Reactive Cyanide, per 261.23(a) (5)  Explosive, per 261.23(a) (6); (7) & (8) Water Reactive, per 261.23(a) (2), (3) & (4) Unexploded Ordnance, Emergency Response  Arsenic  Barium  Cadmium  Cadmium  Cadmium  Cadmium Containing Batteries  Www [] Non-ww    Wastewater   Wastewater   Www   Wastewater   Www   WASTE CODE / SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  Ignitables, except High TOC subcategory [] WW [] Non-WW 1 High TOC Ignitable Liquids Subcategory [] Non-WW only 1A (Greater than or equal to 10% TOC)  Corrosives [] WW [] Non-WW 1  Reactive Sulfide, per 261.23(a)(5) [] WW [] Non-WW 1  Reactive Cyanide, per 261.23(a)(5) [] WW [] Non-WW 1  Explosive, per 261.23(a)(6), (7) & (8) [] WW [] Non-WW 1  Water Reactive, per 261.23(a)(2), (3) & (4) [] Non-WW only 1  Other Reactive, per 261.23(a)(1) [] WW [] Non-WW 1  Unexploded Ordnance, Emergency Response [] WW [] Non-WW 1  Arsenic [] WW [] Non-WW 1  Barium [] WW [] Non-WW 1  Cadmium Containing Batteries [] Non-WW only 2	WASTE CODE / SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)  Corrosives  Reactive Sulfide, per 261.23(a) (5) Reactive Cyanide, per 261.23(a) (5) Explosive, per 261.23(a) (6), (7) & (8) Water Reactive, per 261.23(a) (2), (3) & (4) Water Reactive, per 261.23(a) (1) Unexploded Ordnance, Emergency Response Waster Reactive Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reactive, per 261.23(a) (1) Way Waster Reactive, per 261.23(a) (2), (3) & (4) Waster Reac	WASTE CODE / SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  Ignitables, except High TOC subcategory [] WW [] Non-WW 1 2 3 High TOC Ignitable Liquids Subcategory [] Non-WW only 1A 3 (Greater than or equal to 10% TOC)  Corrosives [] WW [] Non-WW 1 2 3  Reactive Sulfide, per 261.23(a)(5) [] WW [] Non-WW 1 3 4 Reactive Cyanide, per 261.23(a)(5) [] WW [] Non-WW 1 3 4 Explosive, per 261.23(a)(6); (7) & (8) [] WW [] Non-WW 1 2 3 Water Reactive, per 261.23(a)(2), (3) & (4) [] Non-WW only 1 2 3 Other Reactive, per 261.23(a)(1) [] WW [] Non-WW 1 2 3 Unexploded Ordnance, Emergency Response [] WW [] Non-WW 1 2 3 Barium [] WW [] Non-WW 1 2 3  Cadmium  Cadmium Containing Batteries [] WON-WW only 2 3 6	WASTE CODE / SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  Ignitables, except High TOC subcategory [] WW [] Non-WW 1 2 3 4 High TOC Ignitable Liquids Subcategory [] Non-WW only 1A 3 6 (Greater than or equal to 10% TOC)  Corrosives [] WW [] Non-WW 1 2 3 4  Reactive Sulfide, per 261.23(a)(5) [] WW [] Non-WW 1 3 4 5  Reactive Cyanide, per 261.23(a)(5) [] WW [] Non-WW 1 3 4 5  Explosive, per 261.23(a)(6), (7) & (8) [] WW [] Non-WW 1 2 3 4  Water Reactive, per 261.23(a)(2), (3) & (4) [] Non-WW only 1 2 3 4  Other Reactive, per 261.23(a)(1) [] WW [] Non-WW 1 2 3 4  Unexploded Ordnance, Emergency Response [] WW [] Non-WW 1 2 3 4  Barium [] WW [] Non-WW 1 2 3 4  Cadmium Cadmium Containing Batteries [] WW [] Non-WW 1 2 3 4		

Inifest No. <u>TL8493238</u>

### SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

				NON-WASTEWATER	
	[ ] D009 [ ] [ ]	Low Mercury, less than 260 mg/kg Mercury High Mercury Organic Subcategory High Mercury Inorganic Subcategory	[]	Non-WW only	1 2 3 4 2 3 4 2 3 4
<del></del>	[ ] D010 [ ] D011	Selenium	[]		1 2 3 4 6 1 2 3 4 6
	[ ] D011 [ ] D012	Silver Endrin	[]	• •	2 3 4 5 6
	[] D012	Lindane	ii		2 3 4 5 6
	[ ] D014	Methoxychlor	[]	ww [] Non-ww	2 3 4 5 6
	[ ] D015	Toxaphene	[ ]		2 3 4 5 6
	[ ] D016	2,4-D	[]		2 3 4 5 6
<del></del>	[ ] D017	2,4,5-TP (Silvex)	[]		2 3 4 5 6 1 2 3 4 6
	[ ] D018 [ ] D019	Benzene Carbon tetrachloride			1 2 3 4 6
	[] D020	Chlordane	ii	• •	1 2 3 4 6
	[] D021	Chlorobenzene	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ] D022	Chloroform	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ] D023	o-Cresol	[ ]		1 2 3 4 6
	[] D024	m-Cresol	[]		1 2 3 4 6
		p-Cresol	[]	WW [] Non-WW WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
<del></del>	[] D026 [] D027	Cresol 1.4-Dichlorobenzene	[]	• •	1 2 3 4 6
	[] D028	1.2-Dichloroethane	ii	WW [] Non-WW	1 2 3 4 6
	[] D029	1,1-Dichloroethylene	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ] D030	2,4-Dinitrotoluene	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ] D031	Heptachlor (and its epoxide)	[]	WW [] Non-WW	1 2 3 4 6
	- I - I	Hexachlorobenzene Hexachlorobutadiene	[]	WW [] Non-WW WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D033 [ ] D034	Hexachloroethane	[ ] [ ]	WW [] Non-WW WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D035	Methyl ethyl ketone	ij	WW [] Non-WW	1 2 3 4 6
<del></del>		Nitrobenzene	Ü	WW [] Non-WW	1 2 3 4 6
	[] D037	Pentachlorophenol	[]	WW [] Non-WW	1 2 3 4 6
	[ ] D038	Pyridine	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ] D039	Tetrachloroethylene	[]	WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
		Trichloroethylene 2,4,5-Trichlorophenol	[]		1 2 3 4 6 1 2 3 4 6
		2,4,6-Trichlorophenol	ii	WW [] Non-WW	1 2 3 4 6
		Vinyl Chloride	[]	WW [] Non-WW	1 2 3 4 6
SECTION II.	SPENT SOLVEN	T WASTES FOO1 THROUGH FOO5			
COLUMN 1:		COLUMN 2:		COLUMN 3:	COLUMN 4:
LINE ITEM		WASTE CODE / CONSTITUENTS		WASTEWATER/	HANDLING CODE
SEE MANIFEST		•		NON-WASTEWATER	
	[ ] F001	[] F002 [] F003 [] F004 [] F005	5 []	WW [ ] Non-WW	3 4 5 6
[ ] 2	. Benzene . n-Butyl a . Carbon di . Carbon te . Chloroben . o-Cresol . m-Cresol distinguis p-cresol) 0. p-Cresol distinguis m-cresol)	[ ] 13. o-Dichloroben	nzene nol (F0 nhol oride ketone yl ket	[ ] 26. [ ] 27. [ ] 28.  [ ] 29.  [ ] 30.  [ ] 31.  one  [ ] 32.	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 Manifest No. IL8493238

#### SECTION III. CALIFORNIA LIST WASTES COLUMN 1: COLUMN 2: COLUMN 3: COLUMN 4: LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE SEE MANIFEST NON-WASTEWATER Hazardous waste containing one or more of the following [] WW [] Non-WW 1 2 3 4 5 6 California List constituents: [ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg/l Liquids with thallium greater than or equal to 130 mg/l [ ] Liquids with PCB's > or = 50 ppm [ ] Waste containing HOC's > or = 1,000 mg/kg SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, U-, AND P-CODES)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W.	COLUMN 3: ASTEWATER/ -WASTEWATER	CO	LUM		
HA.	K062	[]	ww	Non-ww	3	4	( <u>s</u> )	6
		[ ]	ww	[ ] Non-WW	3	4	5	6
		[ ]	ww	[ ] Non-WW	3	4	5	6
<del></del>		[]	ww	[ ] Non-WW	3	4	5	6
	·	[ ]	ww	[ ] Non-WW	3	4	5	6

- [ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.
- [ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE

Drint Name

He mit for 650 Tades Date

Quin (

### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

FOR SHIPMENT OF HAZARDOUS PO. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 AND SPECIAL WASTE IL532-0610 State Form LPC 62 8/81 PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No 2050-0039 Manifest Document No 2. Page 1 Information in the shaded areas is not required by Federal law, but is required by Illinois law. **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. **WASTE MANIFEST** of ) 9*001* A. Illinois Manifest Document Number 3. Copyetor i Name en i Name i Location If Different **414 Plaza Drive** Suite 106 6499 Industrial Highway B. Generator's: Westmont, IL 60559 Gary, IN 46406 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 Westmont, ID Number Transporter's 5. Transporter 1 Company Name 6. US EPA ID Number 039377250 LEMHALBARS Sow. SERVICE D. Transporter's Phone ( US EPA ID Number E. Transporter's 7. Transporter 2 Company Name 8 D Number F. Transporter's Phone ( 1991) 9. Designated Facility Name and Site Address US EPA ID Number G. Facility's IL. 6000 Clean Harbors Services Inc 11800 South Stony Island Ave H. Facility's Phone ( Chicago, II. 60617

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 잋 12. Containers 13 Total Unit Waste No. Туре No. Quantity Wt∕∖∩i G EPA HW Number rgency a. Е HAZARDOUS WASTE LIQUID, N.O.S. , 9, NA3082 1 D 0 0 0 N 7,5,0D,0 1 E Response **EPA HW Number** b. R EPA HW Number 0 வ R 217 / 782-7860 **在我们直接**。 EPA HW Number đ. K Handling Codes for Wastes Listed Above in Item #14 J. Additional Description for Materials Listed Above and the 11a CH144190B Market Part Land Ball The second of th National Response 15. Special Handling Instructions and Additional Information wo# NB190474 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Center 窋 Printed/Typed Name Agent tocy the G500 - NI) US Asignature Month Day Year 800 / 424-8802 HICKNAY Grow 17. Transporter 1 Acknowledgement of Regeipt of Materials Date Day fin ed/Typed Name Signature Year ANSPORTER WAVO roms 18. Transporter 2 Acknowledgement of Receipt of Materials Date 윽 Printed/Typed Name Signature Month Day Year

2

202/426-2675

Date

Year

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Month Day Printed/Typed Name Signature

19. Discrepancy Indication Space

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section this Information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation and imprisonment up to 5 years This form has been approved by the Forms Management Center. be submitted to the information may result

Manifest No. IL 8493250

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

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Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

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- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

\*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

#### SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH D043

COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ NON-WASTEWATER	H		LUMN		
	[]	D001 D001	Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[ [	] ]	WW [ ] Non-WW Non-WW only	1 12	2	3	<b>4</b> 6	6
	[ ]	D002 D003	Corrosives Reactive Sulfide, per 261.23(a)(5)	ſ		WW [] Non-WW	1	2	3	4	6
		[]	Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6), (7) & (8)	]	-	WW [] Non-WW	1	3	4	5	6 6
		[]	Water Reactive, per 261.23(a)(2), (3) & (4) Other Reactive, per 261.23(a)(1)	Į [	]	Non-WW only WW [] Non-WW	1	2 2	3 3	4 4	6 6
	[ ]	[ ] D004	Unexploded Ordnance, Emergency Response Arsenic	]	]	WW [] Non-WW	1 1	3 2	3	5 4	6
	[]	D005 D006	Barium Cadmium	i r	}	WW [] Non-WW	1	2	3	4	6
11A	<b>⊢ /</b>	[] D007	Cadmium Containing Batteries Chromium	ĵ l	i	Non-WW only WW M Non-WW	(1)	3 )2	6 3	4	6
	[/]	D008 [ ] [ ]	Lead Lead Acid Batteries	Į	-	WW [] Non-WW Non-WW only	1 2	2	3 6	4	6

p-cresol)

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
SEE MANIFEST	[] D009 [] Low Mercury, less than 260 mg/kg Mercury [] High Mercury Organic Subcategory [] High Mercury Inorganic Subcategory [] D010 Selenium [] D011 Silver [] D012 Endrin [] D013 Lindane [] D014 Methoxychlor [] D015 Toxaphene [] D016 2,4-D [] D017 2,4,5-TP (Silvex) [] D018 Benzene [] D019 Carbon tetrachloride [] D020 Chlordane [] D021 Chlorobenzene [] D022 Chloroform [] D023 o-Cresol [] D024 m-Cresol [] D025 p-Cresol [] D026 Cresol [] D027 1,4-Dichlorobenzene [] D029 1,1-Dichloroethane [] D029 1,1-Dichloroethylene [] D030 2,4-Dinitrotolune [] D031 Heptachlor (and its epoxide) [] D031 Heptachlor (and its epoxide)	WW       Non-WW     Non-WW     Non-WW     Non-WW     Non-WW     Non-WW     WW     Won-WW     WW     Non-WW     WW     WW     WN-WW     WW     WW     WN-WW     WW     WW     WW     WN-WW     WW     WW	1 2 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 4 6 1 1 2 3 3 4 6
	[] D033 Hexachlorobutadiene [] D034 Hexachloroethane [] D035 Methyl ethyl ketone [] D036 Nitrobenzene [] D037 Pentachlorophenol [] D038 Pyridine [] D039 Tetrachloroethylene [] D040 Trichloroethylene [] D041 2,4,5-Trichlorophenol [] D042 2,4,6-Trichlorophenol [] D043 Vinyl Chloride	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / CONSTITUENTS  [] F001 [] F002 [] F003 [] F004 [] F005	COLUMN 3: WASTEWATER/ NON-WASTEWATER  [] WW [] Non-WW	COLUMN 4: HANDLING CODE
	1. ALL F001-F005 [ ] 12. Cyclohexanone 2. Acetone [ ] 13. o-Dichlorobenze 3. Benzene [ ] 14. 2-Bthoxyethanol only) 5. Carbon disulfide [ ] 15. Ethyl acetate 6. Carbon tetrachloride [ ] 16. Ethyl benzene 7. Chlorobenzene [ ] 17. Ethyl ether 8. o-Cresol [ ] 18. Isobutyl alcoho odistinguish from [ ] 20. Methylene chlor p-cresol) [ ] 21. Methyl ethyl ke distinguish from [ ] 22. Methyl isobutyl distinguish from [ ] 23. Nitrobenzene m-cresol) [ ] 24. 2-Nitropropane (sum of o-, m- and	ene	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES. INC.

TI 8492276

LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	Manifest No.
SECTION III.	CALIFORNIA LIST WASTES	•
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER
	Hazardous waste containing one or more of the fol California List constituents:	llowing [] WW [] Non-WW 1 2 3 4 5 6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to [ ] Liquids with thallium greater than or equal [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>	
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F	039, K-, U-, AND P-CODES)
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER
		[] WW [] Non-WW 3 4 5 6
		[] WW [] Non-WW 3 4 5 6
		[] WW [] Non-WW 3 4 5 6
		{ ] WW [ ] Non-WW 3 4 5 6
		[] WW [] Non-WW 3 4 5 6
[ ] CHECK HER	E IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. CORE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS ENDING AND AUTRICH COM	PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING

SECTION V. CONTACT NAME AND DATE Highway Group

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

P.O. BOX 19276 State Form LPC 62 8/81

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IL532-0610 LEASE TYPE (Form designed for use on elite (12-pitch) typewriter) EPA Form 8700-22 (Rev. 6-89) Form Approved, OMB No. 2050-0039 Manifest 1. Generator's US EPA ID No. Information in the shaded areas is not required by Federal law, but is required by Illinois law. UNIFORM HAZARDOUS Document No WASTE MANIFEST 00014 0408 889 3. G6560or Envidues and indiaghavay Group A. Illinois Manifest Document Number Location If Different FEE PAID 8493265 414 Plaza Drive IF APPLICABLE Suite 106 6499 Industrial Highway B. Generator's IL. Westmont, IL 60559 Gary, IN 46406 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 IN 46406 C.: Transporter's US EPA ID Number Company Name ID Number / Mars 0393222 D. Transporter's Phone 7 7. Transporter 2 Company Name US EPA ID Number E. Transporter's F. Transporter's Phone ( ) 9. Designated Facility Name and Site Address 10. US EPA ID Number G. Facility's IL ID Number 10 13 Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617 11 16 10 10 10 10 15 11 H. Facility's Phone (773) 646-6202 ⊆ 12. Containers 13. 14. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 40 L 33 V Ū Total Unit Waste No." No. Type Wt/Vol ₹ Quantity G EPA HW Number a. Selich E HAZARDOUS WASTE LIQUID, N.O.S., 9, NA3082 D 0 0 N 的問題 E mesponse EPA HW, Number b. R т EPA HW Number 0 at - - L R 21///82-7860 - 11 × 15 30 20 d. . EPA HW Number & Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above In Item #14 J. Additional Description for Materials Listed Above and Lee Transport of the Contract · 参加以持个公司、[24] 以及东西城市等域 ≓e Brighton with an or our of the brighten to the a star a star a property National Response Center 15. Special Handling Instructions and Additional Information wo# NB190474 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date 괊 Soo Indestrue Signature 800 / 424-8802 Highman 17. Transporter 1 Acknowledgement of Receipt of Materials Date RANSPORTER Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Day 익 Signature Month Year 202 / 426-2675 19. Discrepancy Indication Space -9180019999 A 20. Facility Owner or Operafor: Certification of receipt of hazardous materials covered by this manifest except as noted in item,19. Date Printed/Typed Name Month Day Year Signature

Manifest No. 118493265

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45 In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. "Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

\*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

#### SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH DO43

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY					COLUMN 3: WASTEWATER/ NON-WASTEWATE					14: G CODE	
	[]	D001 D001		]	]	WW [] Non-Non-WW only		1 1 A 1	2	3 3	4 6	6
	( )	D003 [ ] [ ] [ ] [ ] [ ] D004	Reactive Sulfide, per 261.23(a)(5) Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6), (7) & (8) Water Reactive, per 261.23(a)(2), (3) & (4) Other Reactive, per 261.23(a)(1) Unexploded Ordnance, Emergency Response Arsenic Barlum	] ] ] ] [	]	ww [] Non	1 - WW 1 - WW 1 - WW 1 - WW	1 1 1 1 1 1	3 3 2 2 2 3 2	4 4 3 3 4 3 3	5 5 4 4 5 4	6 6 6 6 6 6 6
<u>ILA</u>	) i	D006 [ ] [ ] D007 D008 [ ] [ ]	Cadmium Cadmium Containing Batteries Chromium Lead Lead Acid Batteries	-	]	WW [] Non Non-WW only WW [] Non Non-WW only	- WW	l 2 !	2 3 2 2 3	3 6 3 3 6	4 4	6

Manifest No. 18493265

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] D009 [ ] Low Mercury, less than 260 mg/kg Mercury [ ] High Mercury Organic Subcategory [ ] High Mercury Inorganic Subcategory	[] WW [] Non-WW [] Non-WW only [] Non-WW only	1 2 3 4 2 3 4 2 3 4
	[] D010 Selenium	[] WW [] Non-WW	1 2 3 4 6
	[ } D011 Silver [ ] D012 Endrin	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 2 3 4 5 6
	[] D013 Lindane	[] WW [] Non-WW	2 3 4 5 6
	[ ] D014 Methoxychlor	[ ] WW [ ] Non-WW	2 3 4 5 6
	[] D015 Toxaphene	[] WW [] Non-WW	2 3 4 5 6
	[ ] D016 2,4-D [ ] D017 2,4,5-TP (Silvex)	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	2 3 4 5 6 2 3 4 5 6
<del></del>	[] D018 Benzene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D019 Carbon tetrachloride	[] WW [] Non-WW	1 2 3 4 6
	[] D020 Chlordane	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D021 Chlorobenzene [] D022 Chloroform	[] WW [] Non-WW [] Ww [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[] D023 o-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D024 m-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D025 p-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[] D026 Cresol	[] WW [] Non-WW	1 2 3 4 6
	[] D027 1,4-Dichlorobenzene [] D028 1,2-Dichloroethane	[] WW [] Non-WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D029 1,1-Dichloroethylene	[] WW [] Non-WW	1 2 3 4 6
	[] D030 2,4-Dinitrotoluene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D031 Heptachlor (and its epoxide)	[] WW [] Non-WW	1 2 3 4 6
	[ ] D032 Hexachlorobenzene [ ] D033 Hexachlorobutadiene	[] WW [] Non-WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
<del></del>	[] D034 Hexachloroethane	[] WW [] Non-WW	1 2 3 4 6
	[ ] D035 Methyl ethyl ketone	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D036 Nitrobenzene	[] WW [] Non-WW	1 2 3 4 6
	[] D037 Pentachlorophenol	[ ] WW [ ] Non-WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D038 Pyridine [ ] D039 Tetrachloroethylene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D040 Trichloroethylene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D041 2,4,5-Trichlorophenol	[] WW [] Non-WW	1 2 3 4 6
	[] D042 2,4,6-Trichlorophenol	[] WW [] Non-WW	1 2 3 4 6
<del></del>	[ ] D043 Vinyl Chloride	[] WW [] Non-WW	1 2 3 4 6
SECTION II.	SPENT SOLVENT WASTES F001 THROUGH F005		
COLUMN 1:	COLUMN 2:	COLUMN 3:	COLUMN 4:
LINE ITEM	WASTE CODE / CONSTITUENTS	WASTEWATER/	HANDLING CODE
SEE MANIFEST		NON-WASTEWATER	
	[ ] F001	[] WW [] Non-WW	3 4 5 6
	1. ALL F001-F005 [ ] 12: Cyclohexanone 2. Acetone [ ] 13. o-Dichlorobenz 3. Benzene [ ] 14. 2-Ethoxyethano 4. n-Butyl alcohol only) 5. Carbon disulfide [ ] 15. Ethyl acetate 6. Carbon tetrachloride [ ] 16. Ethyl benzene 7. Chlorobenzene [ ] 17. Ethyl ether 8. o-Cresol [ ] 18. Isobutyl alcoh 9. m-Cresol (difficult to [ ] 19. Methanol distinguish from [ ] 20. Methylene chlorop-cresol) [ ] 21. Methyl ethyl k 10. p-Cresol (difficult to [ ] 22. Methyl isobuty distinguish from [ ] 23. Nitrobenzene m-cresol [ ] 24. 2-Nitropropane (sum of o-, m- and p-cresol)	Sene         26     27	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro 1,2,2-trifluoroethane Trichloromonofluoroemethane Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 Manifest No. TL8493265

SECTION III.	CALIFORNIA LIST WASTES												
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			COLU ASTE -WAS	WA	TER	:/		_	COLUMN			Œ
	Hazardous waste containing one or more of the following [California List constituents:	}	ww	(	]	No	n - WW	1	2	3	4	5	6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg/l [ ] Liquids with thallium greater than or equal to 130 mg, [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>												
SECTION IVC	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, t	<u>U</u>	ANI	) P-	<u>c</u> o	DES	)						
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			COLU ASTE WAS	WA	TER	/		CO HANI	DLII DLII			E
		}	ww	ĺ	]	No	n-WW		3	4	5	6	
		J	ww	ι	3	No	n-WW		3	4	5	6	
		3	ww	į	J	No	n-WW		3	4	5	6	
<del></del>	t	)	ww	ι	}	No	n-WW		3	4	5	6	
		]	WW	ĺ	)	No	n-WW		3	4	5	6	
[ ] CHECK HER	E IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AN RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED AD	I	DENT	I FY	F	039	CONST	ritui					LETING
	FREO G. KRIKAU	Dat	e:	<i>C</i> .	9	<b>3</b>	jc.	Ç	-9	9			

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

State Form LPC 62 8/81

	(Form designed for use on elite	<u> </u>		2 (Rev. 6-89)	. оп. тф		No 2050	7-000-9				
WASI	M HAZARDOUS E MANIFEST	1. Generator's US		Manifest Document No-	2 Page 1 of 1	Informati required Illinois la	by Feder	e shaded areas is al law, but is required				
414 Plaza Suite 106 Westmont, 4.*24 HOUR EME	, IL 60559 RGENCY AND SPILL ASS	Group Locatio	n If Different	.ghway	A. Illinois M  IL. 8  B. Generato ID Numb  C. Transpor	4932 er	64	Number FEE PAID IF APPLICABL				
Cla_ H	about Env	Servi In	MADO3932	2250	D. Transpor	er (A) ter's Phone	(v) ( €(	0180743				
7. Transporter 2 Co	ompany Name	8.	US EPA ID Num	ber	E. Transpor	<u>er Siki.</u>	a S	Manda Mark				
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SECTION I.

Manifest No. 118493064

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEPINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., lla) that corresponds to the waste code(s).

Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

CHARACTERISTIC WASTES DOOL THROUGH DO43

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR requiations would apply and a revised LDR notification would be required.
- 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(l)(iv)(A): (l) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

\*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

350011 .	CILITION		TO MOTES DOUT TIMOON DO								
COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ NON-WASTEWATER		COLUMN 4: HANDLING CODE				
	[]	D001	Ignitables, except High TOC subcategory	[]	WW [] Non-WW	1	2	3	4	6	
	[ ]	D001	High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[ ]	Non-WW only	1A		3	6		
	[ ]	D002	Corrosives	[ ]	WW [] Non-WW	1	2	3	4	6	
	[]	D003	Q,								
		[]	Reactive Sulfide, per 261.23(a)(5)	[ ]	WW [] Non-WW	1	3	4	5	6	
		[]	Reactive Cyanide, per '261.23(a')(5)	( )	WW [] Non-WW	1	3	4	5	6	
		[]	Explosive, per 261.23(a)(6), (7) & (8)	( )	WW [] Non-WW	1	2	3	4	6	
		[]	Water Reactive, per 261.23(a)(2), (3) & (4)	[]	Non-WW only	1	2	3	4	6	
		[ ]	Other Reactive, per 261.23(a)(1)	[]	WW [] Non-WW	1	2	3	4	6	
		[]	Unexploded Ordnance, Emergency Response	[]	WW [] Non-WW	1	3	4	5	6	
	[]	D004	Arsenic	[]	WW [] Non-WW	1	2	3	4	6	
	[ ]	D005	Barıum	[]	WW [] Non-WW	1	2	3	4	6	
	[]	D006									
		[]	Cadmium	[]	WW [] Non-WW	1	2	3	4	6	
\Lambda	,	[]	Cadmium Containing Batteries	[]	Non-WW only	2	_3	6			
11 14	ΝŢ	D007	Chromium	[]	WW (/) Non-WW	T	2	3	4	6	
	[ ]	D008			$\nearrow$						
			Lead	[]	WW [] Non-WW	1	2	3	4	6	
		[ ]	Lead Acid Batteries	[ ]	Non-WW only	2	3	6			

# SECTION I. CHARACTERISTIC WASTES DO01-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / NAME		COLUMN 3: WASTEWATER/ N-WASTEWATER	COLUMN HANDLING	
SEE MANIFEST	[] D009 [] [] [] [] [] [] [] [] [] [] [] [] [] [	Low Mercury, less than 260 mg/kg Me High Mercury Organic Subcategory High Mercury Inorganic Subcategory Selenium Silver Endrin Lindane Methoxychlor Toxaphene 2,4-D 2,4,5-TP (Silvex) Benzene Carbon tetrachloride Chlordane Chlorobenzene Chloroform o-Cresol m-Cresol p-Cresol Cresol 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 2,4-Dinitrotoluene Heptachlor (and its epoxide) Hexachlorobenzene	WW       WW       WW       WW       WW       WW       WW       WW         WW         WW         WW           WW             WW	[ ] Non-ww n-ww only [ ] Non-ww	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3	4 4 6 6 6 6 6 6 6 6 6 6 6 6 6
SECTION II.	[ ] D033 [ ] D034 [ ] D035 [ ] D036 [ ] D037 [ ] D038 [ ] D039 [ ] D040 [ ] D041 [ ] D042 [ ] D043	Hexachlorobutadiene Hexachloroethane Methyl ethyl ketone Nitrobenzene Pentachlorophenol Pyridine Tetrachloroethylene Trichloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Vinyl Chloride  NT WASTES F001 THROUGH F005  COLUMN 2:	WW       WW	[] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww [] Non-ww	1 2 3 1 2 3	4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6
LINE ITEM SEE MANIFEST	[ ] F001	WASTE CODE / CONSTITUENTS		NASTEWATER/ N-WASTEWATER	HANDLING	
[] 2 [] 3 [] 4 [] 5 [] 5 [] 7 [] 7 [] 8 [] 9	. Chlorober . o-Cresol . m-Cresol distinguis p-cresol) 0. p-Cresol distinguis m-cresol)	[ ] 13. o-Did	l benzene l ether utyl alcohol anol ylene chloride yl ethyl ketone yl isobutyl ketone	[ ] 26. [ ] 27. [ ] 28. [ ] 29. [ ] 30. [ ] 31. [ ] 32.	Pyridine Tetrachlor Toluene 1,1,1-Tric ethane 1,1,2-Tric ethane Trichloroe 1,2,2-trifl Trichlorom methane Xylene - m (sum of o-, p-xylene)	hloro- hloro- thylene hloro- uoroethane onofluoro- ixed isomers

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 Man1fest No. 11849344

SECTION III.	CALIFORNIA LIST WASTES										
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE	_	COLUMN 4: HANDLING CODE					
	Hazardous waste containing one or more of the following California List constituents:	[ ]	WW	[ ]	Non-WW	1 2	3	4	5	6	
	[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg [ ] Liquids with thallium greater than or equal to 130 [ ] Liquids with PCB's > or = 50 ppm [ ] Waste containing HOC's > or = 1,000 mg/kg	•	i.								
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-	. U-	ANI	D_P-C0	DES)						
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE	TER/	CO HANI		4N 4 NG C			
<del></del>		[ ]	ww	[ ]	Non-WW	3	4	5	6		
		[ ]	ww	[]	Non-WW	3	4	5	6		
		[ ]	ww	[]	Non-WW	3	4	5	6		
		[ ]	WW	[ ]	Non-WW	3	4	5	6		
<del></del>		[ ]	ww	[ ]	Non-WW	3	4	5	6		
[ ] CHECK HE	RE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED	۲.	DENT	IFY F	39 CONST					ETING	
SECTION V. CO	ONTACT NAME AND DATE			C	5 ( s	a	3				
Print Name: _	FRED G. KRIKAU	Da	te: _	Ö	3-18						

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

	State Form LPC 62 8/8			,,,,,,	COME WASTE	3/33
EASE TYPE (Form designed for use on elite (12	1. Generator's US EPA ID No.	700-22 (Rev. 6-89) Manifest	Form Appl 2. Page 1		No. 2050-0039 on in the shade	
UNIFORM HAZARDOUS WASTE MANIFEST	IND04088899	Document No.	of 1	required	by Federal law, b	ut is required by
3. Contract Mans Tolka Hing Long Sy Gi	OUP Location If Different	21/0010			cument Numbe	er 🐮 - 🏋 - 🕾
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Westmont, TL 60559	Gary. TN 46406		B. Generator	's الم	2 2 2 1	0 0 00
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(letter HARlans Fill Son	Wiles Jul. MATICES937	22250	D. Transport	er's Phon	e (7/8 )8%	1/800
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			ID Numbe		المراجعة المراجعة	1 ¥e1,
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Clean Harbors Services Inc			G. Facility's I	Las	1600	0 0 5 1
11800 South Stony Island A					1600	
Chicago, IL 60617	ILD000				73 <sup>)</sup> 646-6	202 🧀
11. US DOT Description (Including Proper Shippin	ng Name, Hazard Class, and ID Numbe	er) 12. Conta		I3. otal	14. Unit 🔐 😘	المحمد
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15. Special Handling Instructions and Additional In	tormation .				wo# NB1	90474
16. GENERATOR'S CERTIFICATION: I hereby decla proper shipping name and are classified, packed, according to applicable international and national if I am a large quantity generator, I certify that I be economically practicable and that I have select and future threat to human health and the environ select the best waste management method that is	marked, and labeled, and are in all respe- government regulations."  lave a program in place to reduce the vo- ed the practicable method of treatment, so ment; OR, if I am a small quantity genera	cts in proper condition tume and toxicity of w torage, or disposal cu	for transport by aste generated rrently available	highway to the deg to me whi	ch minimizes th	ne present
Printed/Typed Name askut ( \$	20 Sydustical Signature	01.11			Month	
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7. Transporter 1 Acknowledgement of Receipt of	Materials					Date
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8. Transporter 2 Acknowledgement of Receipt of	Materials					Date
Printed/Typed Name	Signature				Month	Day Year
	<u>L</u>					
9. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of rece	ipt of hazardous materials covered by	his manifest except	as noted in iter	n 19. 🔏		Date
Printed/Typed Name	Signature		7	//	<b>Month</b>	Day Year
Agency is authorized to require, pursuant to Illanois Revise	ranco	04 and 1021, they this i	mormation be sub	Skerr mitted to th	ne Agency. Failur	1895

Manifest No.

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
  Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I.	CHARAC	TERIST	CIC WASTES DOO1 THROUGH DO43										
COLUMN 1: LINE ITEM SEE MANIFEST		,	COLUMN 2: WASTE CODE / SUBCATEGORY			COLU WASTE NON-WAS	WA:	TER/			LUMN		
	[]	D001	Ignitables, except High TOC subcategory	ι	]	WW	[ ]	Non-WW	1	2	3	4	6
	[ ]	D001	High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	ĺ	)	Non-WW	on	ly	1A		3	6	
	[ ] [ ]	D002	Corrosives	Į	]	WW	[ ]	Non-WW	1	2	3	4	6
		t I	Reactive Sulfide, per 261.23(a)(5)	{	]	WW	[ ]	Non-WW	1	3	4	5	6
		[ ]	Reactive Cyanide, per 261.23(a)(5)	į	}	WW	[ ]	Non-WW	1	3	4	5	6
		[] a	Explosive, per 261.23(a)(6), (7) & (8)	[	1	WW	]	Non-WW	1	2	3	4	6
		[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	ſ	]	Non-WW	on.	ly	1	2	3	4	6
		[ ]	Other Reactive, per 261(.23(a)(1)	[	}	WW	[ ]	Non-WW	1	2	3	4	6
		[ ]	Unexploded Ordnance, Emergency Response	[	J	WW !	]	Non-WW	1	3	4	5	6
	[ ]	D004	Arsenic	[	]	•		Non-WW	1	2	3	4	6
	[]	D005	Barium	[	]	WW [	]	Non-WW	1	2	3	4	6
	[ ]	D006	, , , , , , , , , , , , , , , , , , ,						_	_			_
		[]	Cadmium	Į	i			Non-WW	1	2	3	4	6
11 4	٠, ۲	[ ]	Cadmium Containing Batteries	l	ì	Non-WW		•	2	_3	6	_	_
<del></del>	λŕ	D007	Chromium	ι	]	MM 1	Ľ.	Non-WW	$ ^{\mathrm{T}}$	2	3	4	6
<del></del>	£ }	D008	*3			/			_	_	_	_	_
		1 1	Lead	Į.	,	WW [	. )	Non-WW	1	2	3	4	6
			Lead Acid Batteries	(	į	Non-WW	on	ιγ	2	3	6		

Man1fest No. 1 8493267

### SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME		COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ } D009			
	{ } 'Low Mercury, less than 260 mg/kg Mercury	[]	WW [] Non-Wi	N 1234
	[ ] High Mercury Organic Subcategory		Non-WW only	2 3 4
	[ ] High Mercury Inorganic Subcategory		Non-WW only	2 3 4
	[] D010 Selenium	- 7	WW [] Non-W	
<del></del>	[] D011 Silver [] D012 Endrin	1 1	WW [] Non-Wi	
	[] D013 Lindane		WW [] Non-Wi WW [] Non-Wi	
	[ ] D014 Methoxychlor		WW [] Non-Wi	=
	[ ] D015 Toxaphene	- 7	WW [] Non-Wi	•
	[ ] D016 2,4-D	[]	WW [] Non-W	N 2 3 4 5 6
	[] D017 2,4,5-TP (Silvex)		WW [] Non-Wi	
	[ ] D018 Benzene	1 1	WW [] Non-Wi	
<del></del>	[ ] D019 Carbon tetrachloride [ ] D020 Chlordane		WW [] Non-Wi	
	[] D021 Chlorobenzene	1 1	WW [ ] Non-WW	
	[ ] D022 Chloroform		WW [] Non-Wi	
	[] D023 o-Cresol		WW [] Non-Wi	
	[ ] D024 m-Cresol	( )	WW [] Non-W	
	() D025 p-Cresol	[]	WW [] Non-W	1 2 3 4 6
	[] D026 Cresol		WW [] Non-W	
	[] D027 1,4-Dichlorobenzene		WW [] Non-Wi	
	[] D028 1,2-Dichloroethane		WW [ ] Non-W	
	[] D029 1,1-Dichloroethylene [] D030 2,4-Dinitrotoluene	1 7	WW [] Non-WW WW [] Non-WW	
	[ ] D031 Heptachlor (and its epoxide)		WW [] Non-WW WW [] Non-WW	
	[ ] D032 Hexachlorobenzene		WW [] Non-W	
	[ ] D033 Hexachlorobutadiene	( )	WW [] Non-W	
	[ ] D034 Hexachloroethane		WW [] Non-WW	1 2 3 4 6
	[ ] D035 Methyl ethyl ketone		WW [] Non-WW	
	[] D036 Nitrobenzene [] D037 Pentachlorophenol		WW [] Non-W	
	[ ] D037 Pentachlorophenol [ ] D038 Pyridine		WW [] Non-WW WW [] Non-WW	
	[ ] D039 Tetrachloroethylene		WW [] Non-Wi	
	[ ] D040 Trichloroethylene		WW [] Non-W	
	[ ] D041 2,4,5-Trichlorophenol	[]	WW [] Non-WW	1 1 2 3 4 6
	[ ] D042 2,4,6-Trichlorophenol	[]	WW [] Non-WW	1 2 3 4 6
	[ ] D043 Vinyl Chloride	[]	WW [] Non-WW	1 1 2 3 4 6
SECTION II.	SPENT SOLVENT WASTES FOOL THROUGH FOOS			
COLUMN 1:	COLUMN 2:		COLUMN 3:	COLUMN 4:
LINE ITEM	WASTE CODE / CONSTITUENTS		WASTEWATER/	HANDLING CODE
SEE MANIFEST		1	NON-WASTEWATER	
	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005	[]	WW [] Non-WW	3 4 5 6
	1. ALL F001-F005 [ ] 12. Cyclohexanone 2. Acetone [ ] 13. o-Dichlorobenz 3. Benzene [ ] 14. 2-Ethoxyethano only) 5. Carbon disulfide [ ] 15. Ethyl acetate 6. Carbon tetrachloride [ ] 16. Ethyl benzene 7. Chlorobenzene [ ] 17. Ethyl ether 8. o-Cresol [ ] 18. Isobutyl alcohe 9. m-Cresol (difficult to distinguish from [ ] 20. Methylene chlorop-cresol) [ ] 21. Methyl ethyl kenzene p-cresol (difficult to [ ] 22. Methyl isobutyl distinguish from [ ] 23. Nitrobenzene m-cresol) [ ] 24. 2-Nitropropane (Sum of o-, m- and	ol (FOC nol oride etone ol keto	[ ] [ ] [ ] one [ ]	25. Pyridine 26. Tetrachloroethylene 27. Toluene 28. 1,1,1-Trichloroethane 29. 1,1,2-Trichloroethane 30. Trichloroethylene 31. 1,1,2-Trichloro- 1,2,2-trifluoroethane 32. Trichloromonofluoroemethane 33. Xylene - mixed isomera (sum of o-, m-, and p-xylene)
	p-cresol)			

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. BAND DESCRIPTION, RESTRICTION NOTIFICATION FORM LDR-1

Manifest No. 118493267

SECTION III.	CALIFORNIA LIST WASTES							
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN 3: ASTEWATER/ -WASTEWATER	COLU HANDL			E
<del></del>	Hazardous waste containing one or more of the following California List constituents:	[ ]	WW	[] Non-WW	1 2 3	4	5	6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg [ ] Liquids with thallium greater than or equal to 130 [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>							
SECTION IV	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-	-, υ-	, AN	D P-CODES)				
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN 3: ASTEWATER/ -WASTEWATER	COLU HANDLI			E
	· · · · ·	[ ]	ww	[ ] Non-WW	3 4	9 5	6	
<del></del>		[ ]	ww	[] Non-WW	3 4	. 5	6	
		[ ]	ww	[ ] Non-WW	3 4	. 5	6	
<del></del>		[ ]	ww	[ ] Non-WW	3 4	. 5	6	
		[ ]	WW	[] Non-WW	3 4	. 5	6	
[ ] CHECK HE	RE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED	r. 1	DENT	CIFY F039 CONSTI				LETINO
SECTION V. CO	ONTACT NAME AND DATE							
Print Name:	FRED G. KRIKAU	Dat	te: _	08-18-	-99			

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

	P.O. BOX 19276			NS 62794-9276	• •	ı				IT OF HAZARDOUS WASTE
EASE TYPE (Form design	ned for use on elite (12-pit		tate Form LF EPA	C 62 8/81 Form 8700-22	IL532-0610 (Rev. 6-89)		Form App	roved OME	3 No. 205	man 31/2
UNIFORM HAZAF	<del></del>	Generator's U		<del></del>	Manifest		Page 1			he shaded areas is no
WASTE MANIF		N D Ø 4	•		Document No.	ĺ	of 1	required	l by Fede	rel law, but is required b
		1110	on If Different		7007	A. III	<del></del>			t Number
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5. Transporter 1 Company Nam	ND SPILL ASSISTAN	6.	LIS	EPA ID Numl	nor .		ransport	ers , /	1.10	10-21120ch
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7. Transporter 2 Company Nam		3 626.		EPA ID Numl			ransport		18 ( 7/	5) 8 4 /-1 9 0 U
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9. Designated Facility Name an	d Site Address	10.	US	EPA ID Numb	рег	F. T	ransport	er's Phor	тө ( <sup>;;;</sup> ,;	Merchy A.A.
Clean Harbors Se	rvices Inc					G. F	acility's I	Lюз	6 <sub>ا</sub> 1 <sub>ا</sub>	0000151
11800 South Stor Chicago, IL 6061	ny Island Avo 17		I L D Ø	0060	8 4 7 1	H. Fa	acility's I	Phone (-	773 <sup>)</sup> (	46-6202
11. US DOT Description (Include	ling Proper Shipping	Name, Hazard	Class, and ID	Number)	12. Conta	ainers		13.	14.	NEW 20 - 12 17 35 3
					No.	Туре		otal antity	Unit Wt/Vol	Waste No.
a.										EPA HW Number
HAZARDOUS WASTE	LIQUID, N.O.	.s. , 9,	NA3082	. 17.		ر م			10	D'0''0'
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b.			1							EPA HW Number
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			•				1.4	1 1		THE PROPERTY OF
d.			*							EPA HW Number <sub>3</sub>
									l	4 3 4 6 4 4
							1 1	1 1		LEAD HOWER
J. Additional Description for Mat	erials Listed Above	egyper (n. 1). Manasians (n. 1).	ental of the	tilsen i Challe den den in	ielin e p		ndling C		Waste	s Listed Above
Station of the state of		THE STORY	#201455-A	A House of	ing sana.	energy.	والتحاج ببلت	والمستديق	die	Land White I have
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	MATERIAL PROPERTY OF THE PARTY		Market Pile.	46.66.60.000	中,是是是其代的	58-00	3300 0			eline at he at he had be
15. Special Handling Instruction:	s and Additional Intol	mation							WO#	NB190474
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ERG# 17/	A 30 15	٠.	; *							
<ol> <li>GENERATOR'S CERTIFICATI proper shipping name and are according to applicable internal</li> </ol>	classified, packed, ma	irked, and labels	ed, and are in a							
If I am a large quantity genera	tor, I certify that I hav	e a program in	place to reduc	e the volume a	nd toxicity of wa	aste ge	nerated	to the de	gree i h	ave determined to
be economically practicable ar and future threat to human he select the best waste manager	nd that I have selected alth and the environme	the practicable ent; OR, if I am a	method of trea a small quantity	itment, storage, y generator, I ha	or disposal cui	tently a	available	to me wh	nich min	imizes the present
	III III II II II II II II II II II									Date

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Month Day Year

Month Day Year

Signature\_

800 / 424-8802 or 202 / 426-2675

Date

This Agency is authorized to require, pursuant to illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

IND. HOWY GROUP

1145S

17. Transporter 1 Acknowledgement of Receipt of Materials

18. Transporter 2 Acknowledgement of Receipt of Materials

TRANSPORTER

FACILI

Manifest No. 118493268

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., lla) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

CHARACTERISTIC WASTES DOOL THROUGH DOAR

SECTION I

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268:42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

\*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION 1.	CHARAC	IERIS.	TIC WASTES DOOT THROUGH DU43									
COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY		WAS	LUMN TEWA ASTE				UMN I NG		
	[]	D001	Ignitables, except High TOC subcategory	[]	ww	[ }	Non-WW	1	2	3	4	6
	[ ]	D001	High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[ ]	Non-W	w on	ly	1A		3	6	
·	[]	D002	Corrosives	[]	WW	[]	Non-WW	1	2	3	4	6
	[ ]	D003										
		[]	Reactive Sulfide, per 261.23(a)(5)	[ ]	WW	[]	Non-WW	1	3	4	5	6
		[]	Reactive Cyanide, per 261.23(a)(5)	[ ]	WW	[ ]	Non-WW	1	3	4	5	6
		[]	Explosive, per 261.23(a)(6), (7) & (8)	[]	WW	[]	Non-WW	1	2	3	4	6
		[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	[ ]	Non-W	w on	ly	1	2	3	4	6
		[]	Other Reactive, per 261.23(a)(1)	[]	WW	[ ]	Non-WW	1	2	3	4	6
		[]	Unexploded Ordnance, Emergency Response	[]	WW	[ ]	Non-WW	1	3	4	5	6
	[]	D004	Arsenic	[]	WW	[]	Non-WW	1	2	3	4	6
	[ ]	D005	Barium	[]	WW	[ ]	Non-WW	1	2	3	4	6
	[]	D006	•									
		[ ]	Cadmium	( )	WW	[ ]	Non-WW	1	2	3	4	6
, <b>A</b>	_	ij	Cadmium Containing Batteries	i i	Non-W	W on	lν	2	3	6		
11 A	Μ.	D007	Chromium	1	WW		Non-WW	. 🐨		3	4	6
<del></del>		D008		• •		$\gamma$		じ	-	_	-	•
	£ 1	[]	Lead	f 1	WW	/r 1	Non-WW	1	2	3	Δ	6
		; ;	Lead Acid Batteries		Non-W	ພັດກ <sub>ິ</sub>	-	2	3	6	•	٠
			DEGR VCIR DUCCETTED		MOII - M	· OII.	- <i>y</i>	~		J		

p-cresol)

Janufest No. 11 - 8493268

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

			THATES BOOT 43 (CONTINUED)					
COLUMN 1:			COLUMN 2:			COLUMN 3:	COLUMN	4:
LINE ITEM			WASTE CODE / NAME			WASTEWATER/	HANDLING	CODE
SEE MANIFEST						NON-WASTEWATER		
		D009	Low Morenty loss than 260 mg/kg Moren	· ·	, 1	WW [] Non-WW	1 2 3	4
		[]	Low Mercury, less than 260 mg/kg Mercu High Mercury Organic Subcategory	•	-	Non-WW only	2 3 4	4
		[]	High Mercury Inorganic Subcategory		( )		2 3 4	
		D010	Selenium		ij	WW [] Non-WW		4 6
		D010	Silver		ί,	1 1		4 6
		D011	Endrin		( )	WW [] Non-WW		5 6
<del></del>		D012	Lindane		ij	WW [] Non-WW		5 6
			_		[]	WW [] Non-WW		5 6
		D014 D015	Methoxychlor Toxaphene		[]	WW [] Non-WW		5 6
		D015	•		[]	WW [] Non-WW	2 3 4	5 6
<del></del>		D018	2,4-D		[]	WW [] Non-WW	2 3 4	5 6
	• -	0018	2,4,5-TP (Silvex) Benzene		[ ]	WW [] Non-WW	1 2 3	4 6
		0019	Carbon tetrachloride		( )	WW [] Non-WW	1 2 3	4 6
		0020	Chlordane			WW [] Non-WW	1 2 3	4 6
			Chlorobenzene		[]	WW [] Non-WW	1 2 3	4 6
		0021	Chloroform		[]	WW [] Non-WW	1 2 3	4 6
		0023	o-Cresol		ίί	WW [] Non-WW		4 6
		0024	m-Cresol		ij	WW [] Non-WW	1 2 3	4 6
			p-Cresol		[]	WW [] Non-WW	1 2 3	4 6
	-	0026	Cresol		ii	WW [] Non-WW	1 2 3	4 6
		0027	1,4-Dichlorobenzene		ij	WW [] Non-WW	1 2 3	4 6
		0028	1,2-Dichloroethane		ij	WW [] Non-WW	1 2 3	4 6
<del></del>			1,1-Dichloroethylene		ij	WW [] Non-WW	1 2 3	4 6
<del></del>			2,4-Dinitrotoluene			WW [] Non-WW	1 2 3	4 6
~	-		Heptachlor (and its epoxide)		ij	WW [] Non-WW	1 2 3	4 6
		0032	Hexachlorobenzene		ij	WW [] Non-WW	1 2 3	4 6
		0033	Hexachlorobutadiene		ij	WW [] Non-WW	1 2 3	4 6
		0034	Hexachloroethane		ii	WW [] Non-WW	1 2 3	4 6
<del></del>		0035	Methyl ethyl ketone		ij	WW [] Non-WW	1 2 3	4 6
		0036	Nitrobenzene		ij	WW [] Non-WW	1 2 3	4 6
		0037	Pentachlorophenol		ij		1 2 3	4 6
			Pyridine		ij	WW [] Non-WW	1 2 3	4 6
			Tetrachloroethylene		( )	WW [] Non-WW	1 2 3	4 6
					[ ]	WW [] Non-WW	1 2 3	4 6
			2,4,5-Trichlorophenol		[ ]	WW [] Non-WW	1 2 3	4 6
			2,4,6-Trichlorophenol		[ ]	WW [] Non-WW	1 2 3	4 6
			Vinyl Chloride		[]	WW [] Non-WW	1 2 3	4 6
			•					
SECTION II.	SPENT S	OLVE	VT WASTES F001 THROUGH F005					
COLUMN 1:			COLUMN 2:			COLUMN 3:	COLUMN	4:
LINE ITEM			WASTE CODE / CONSTITUENTS			wastewater/	HANDLING	CODE
SEE MANIFEST						NON-WASTEWATER		
	[ ] FO	001	[] F002 [] F003 [] F004 []	F005	[ ]	WW [] Non-WW	3 4 9	5 6
	1. ALL					[]	25. Pyridine	
	2. Acet		[] 13. o-Dichlo	-		—— []	26. Tetrachlor	coernyrene
	3. Benz		[ ] 14. 2-Ethoxy	yethanol	(F		27. Toluene	
			only)			[]	28. 1,1,1-Tric	cnioro-
			sulfide [] 15. Ethyl ac			, ,	ethane	
			trachloride [] 16. Ethyl be				29. 1,1,2-Tric	uroro-
		roben				r 1	ethane	+hirlan-
	8. o-Cr		[] 18. Isobuty		•	[]	30. Trichloroe	
[]			(difficult to [ ] 19. Methanol sh from [ ] 20. Methyler		4-	[]	31. 1,1,2-Tric	
		-		-		. []	·	luoroethane
r 1	p-cre						32. Trichloron methane	WHOLIUUIU-
[]	-				vec	one []		ived income
			<del></del> · ·		200		33. Xylene - m (sum of o-,	
( )	m-cre		mixed isomers [ ] 24. 2-Nitrop only)	brobaue (	rut	,,,	p-xylene)	, m-, and
			mixed isomers only) , m- and				h varene	
	p-cre		,					

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

Manifest No. 11 8493268

						_=		<del></del>					<del></del>	<u></u>
SECTION III.	CALIFORNIA LIST WASTES													
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			W	AST	EW/	N 3: ATER EWAT	/			LUM		4: CODE	
	Hazardous waste containing one or more of the following California List constituents:	ĺ	1	ww		[ ]	No	n-WW	. 1 2		3	4	5 6	
	[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg [ ] Liquids with thallium greater than or equal to 130 [ ] Liquids with PCB's > or = 50 ppm [ ] Waste containing HOC's > or = 1,000 mg/kg													
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-		<u>u -</u>	, AN	D P	<u>.c</u> c	DES	)						
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER					COLUMN 4: HANDLING CO							
		ι	]	ww	1	[ ]	Noi	3 - WW	:	3	4	5	6	
		ί	3	ww	ı	[ ]	Noi	1 - WW	2	3	4	5	6	
	· · · · · · · · · · · · · · · · · · ·	ι	}	ww	ı	[ ]	Noi	1 - WW	3	3	4	5	6	
		ι	J	ww	1	[ ]	Nor	1 - WW	3	3	4	5	6	
	, , , , , , , , , , , , , , , , , , ,	ι	)	ww	1	. 1	Noi	1 - WW	3	3	4	5	6	
[ ] CHECK HE	E IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED	٠.	1	DENT	IFY	F	039	CONST	r i tuent					NG
SECTION V. CO	NTACT NAME AND DATE													

## KEY TERMS/DEFINITIONS

Print Name: 140MAS J. RYSILWILT

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

Date: 28-11-35

State Form LPC 62 8/81 IL532-0610

드	PLEASE ITPE (Form designed for use on eli	ite (12-pitch) typewnter.)	EPA Form 8/00-22 (H	ev. 6-89)	Fori	n Approved. OME	3 No 205	0-0039
4	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US	LEAD NO. Do	Manifest current No	2 Pag of		i by Fede	e shaded areas is not ral law, but is required by
П	3. G6600or Industral Maling Madel Plaza Drive	Group Location	n If Different				cument	Number FEE PAID IF APPLICABLES
Ц	Suite 106	6499	9 I <u>ndustrial</u> High	way		8493 erator's IL	2/1	IF APPLICABLE
П	Westmont, IL 60559 4. 24 HOUR EMERGENCY AND SPILL AS	Gar SISTANCE NUMBERS	y, IN 46406 800-645-8265		ID N	umber   1	11	
П	5. Fransporter 1 Company Name	ъ.	US EPA ID Number		C. Tran ID N	sporter's py	1018	07430H
	CLEANHARDON ENVIOLVI		1 <i>AD 0</i> 393222 <i>57</i> US EPA ID Number			sponer's Phor	ne ( <b>78</b>	1) 849 18 <i>0</i> 0
	7. Transporter 2 Company Name	8. [	US EFA ID Number		ID N	sporter's umber		
	9. Designated Facility Name and Site Addres	ss 10.	US EPA ID Number			sporter's Phor	ie (	A 1/2 CALL
	Clean Harbors Services	Inc			G. Facil	umber 10 13	1116	10°10'10'10'15'11
	11800 South Stony Islan Chicago, II. 60617		r t. n a a a 6 a 8	471	H. Facil	ity's Phone (	773)6	46-6202
	11. US DOT Description (Including Proper S			12. Conta		13. Total	14. Unit	
G	G 8. MACINE CORDOCTURE LITOUTE			No.	Туре	Quantity	Wt/Vol	Waste No.
	(Sulfuric Acid). 8. UN3	ACIDIC, INORG 264. II	ANIC, N.O.S.	]				<b>K 0 6 2</b>
E	n j	·	To the second se	001	<u> </u>	<u> 3000</u>	G	ME STATE OF
R	R b.		n <sup>i</sup>					EPA HW Number
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0	· · · · · · · · · · · · · · · · · · ·					<del> </del>		EPA HW Number
R	R					,	.	C. 1. 14.34.7 (20)
ı	d.			<u> </u>	-		+	EPA HW Number
								NEW MEETING
			a managanan ili anggar en bilangan anggar en ilike en	<u> </u>	<u>.                                    </u>			3.加州首徽
	/J. Additional Description for Materials Listed 11a CH144189B D002, D00	いっこく だん・ドイ しきせいせきしょうご カフェンサインスチ			K./Handl	ing Codes for n #14	Wastes	Listed Above
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						ag tantint. Ng thiết is s		
١	15. Special Handling Instructions and Addition			\$24.77 3.35 <u>-</u>				177.00054
l	1	•	e e				WO#	NB189251
			•					
1	16. GENERATOR'S CERTIFICATION: I hereby							
	proper shipping name and are classified, pad according to applicable international and nat	ional government regulation	ons.		•	, , ,		
	If I am a large quantity generator, I certify the be economically practicable and that I have	selected the practicable in	nethod of treatment, storage, or	disposal cui	rently ava	ilable to me wh	iich mini	mizes the present
	and future threat to human health and the er select the best waste management method to			made a god	ru iaim en	on to minimize	my was	Date
l	Printed/Typed Name	GSOO IND. HE	Signature 7/	0 4		,	<u>-</u> -	Month Day Year
<u>*</u>	THOMAS TEXCIONICZ	GROUP	1/ Chan	york	Ku	uy_	1	08 30 99
RAN	17. Transporter 1 Acknowledgement of Recei	pt of materials	Signature	0			1	Date Month Day Year
S			Petern	Lusa				018121088
ÖR	18. Transporter 2 Acknowledgement of Recei	pt of Materials						Date
T E R	r Printed/Typed Name		Signature				1	Month Day Year
	19. Discrepancy Indication Space						1	
F			٠.					
ĉ	298719499							
L	20. Facility Owner or Operator: Certification of	f receipt of hazardous m	aterials covered by this mapif	est except a	s noted i	n item 19		Date
Ÿ	Printed/Typed Name	1	Signature	<del></del>				Month Day Year
لِ	This Agency is authorized to require, pursuant to Illinois	Revised States 1000 Char	1073111 1/2 "Serting 1004 and 400	that this	domestico E	Muni	be Acces	OSTAGES
ŧ	This Agency is authorized to require, pursuant to ininois this information may result in a civil penalty against the per day of violation and imprisonment up to 5 years This form ha	owner or operator not to	exceed \$25,000 per day of yilolation	n Falsification	of this m	formation may re	sull in a	fine up to \$50,000

Manifest No. 115 (93) 70

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- \*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I.	CHARACTERIS'	FIC WASTES DOO1 THROUGH DO43			
COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY		COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[] D001 [] D001	3	<b>{ }</b>	WW [] Non-WW	1 2 3 4 6 1A 3 6
IIA-	M D002	(Greater than or equal to 10% TOC)		WW     Non-WW	71)2 3 4 6
	[] D003	Reactive Sulfide, per 261.23(a)(5)	[]		1 3 4 5 6
	[]	Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6), (7) & (8)	[]	WW	1 3 4 5 6
	( )	Water Reactive, per 261.23(a)(2), (3) & (4)	[ ]	Non-WW only	1 2 3 4 6
	[]	Other Reactive, per 261.23(a)(1) Unexploded Ordnance, Emergency Response	[]	WW [] Non-WW Ww [] Non-WW	1 2 3 4 6
	{ ] D004	Arsenic	( i	WW [] Non-WW	1 2 3 4 6
	[ ] D005 [ ] D006	Barium	[ ]	WW [] Non-WW	1 2 3 4 6
	[ ]	Cadmium			1 2 3 4 6
444	D007	Cadmium Containing Batteries · Chromium	[]	Non-WW only WW Non-WW	$(\frac{2}{1}, \frac{3}{2}, \frac{6}{3}, \frac{6}{4}, \frac{6}{6})$
	1 1 1 1	Lead Lead Acid Batteries	[]	WW Mon-WW only	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

Janufest No. 1 8493270

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	e000 [] [] []	Low Mercury, less than 260 mg/kg Mercury High Mercury Organic Subcategory High Mercury Inorganic Subcategory	[ ] WW [ ] Non-WW [ ] Non-WW only [ ] Non-WW only	1 2 3 4 2 3 4 2 3 4
	[ ] D010 [ ] D011	Silver	[] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D012 [ ] D013	Endrin Lindane	[] WW [] Non-WW [] WW [] Non-WW	2 3 4 5 6 2 3 4 5 6
	[ ] D014 [ ] D015	Methoxychlor Toxaphene	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	2 3 4 5 6 2 3 4 5 6
	[ ] D016 [ ] D017		[] WW [] Non-WW [] WW [] Non-WW	2 3 4 5 6 2 3 4 5 6
	[ ] D018 [ ] D019	Benzene Carbon tetrachloride	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D020 [ ] D021		[] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
	[ ] D022 [ ] D023	o-Cresol	[ ] WW [ ] Non-WW [ ] WW [ ]	1 2 3 4 6 1 2 3 4 6
	[ ] D024 [ ] D025	m-Cresol p-Cresol	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D026 [ ] D027	Cresol 1,4-Dichlorobenzene	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D028 [ ] D029	1,2-Dichloroethane 1,1-Dichloroethylene	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D030 [ ] D031	2,4-Dinitrotoluene Heptachlor (and its epoxide)	[] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D032 [ ] D033	Hexachlorobenzene Hexachlorobutadiene	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D034 [ ] D035	Hexachloroethane Methyl ethyl ketone	{ } WW	1 2 3 4 6 1 2 3 4 6
	[ ] D036 [ ] D037	Nitrobenzene Pentachlorophenol		1 2 3 4 6 1 2 3 4 6
	[ ] D038 [ ] D039	Pyridine Tetrachloroethylene	WW-noN [ ] WW [ ] WW-noN [ ]	1 2 3 4 6 1 2 3 4 6
	[] D040 [] D041	•	[ ] WW	1 2 3 4 6 1 2 3 4 6
	[ ] D042 [ ] D043	2,4,6-Trichlorophenol Vinyl Chloride	[ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6
SECTION II.	SPENT SOLVE	NT_WASTES F001 THROUGH F005		
COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / CONSTITUENTS	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] F001	[ ] F002 [ ] F003 [ ] F004 [ ] F00	05 [] WW [] Non-WW	3 4 5 6
[] 2 [] 3 [] 4 [] 5 [] 5 [] 7 [] 8 [] 9	C. Chlorobe C. o-Cresol C. m-Cresol distingui p-cresol C. p-Cresol distingui m-cresol)	[ ] 13. o-Dichlorobe   [ ] 14. 2-Ethoxyetha only   15. Ethyl acetat etrachloride   [ ] 15. Ethyl acetat etrachloride   [ ] 16. Ethyl benzen   17. Ethyl ether   18. Isobutyl alc   (difficult to   [ ] 19. Methanol sh from   [ ] 20. Methylene ch   [ ] 21. Methyl ethyl   (difficult to   [ ] 22. Methyl isobuth sh from   [ ] 23. Nitrobenzene   [ ] 24. 2-Nitropropa only)	nzene [] 26. nol (F005 [] 27. e e [] 29. ohol [] 30. [] 31. loride ketone [] 32. tyl ketone [] 33. ne (F005	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isome (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

[ ] Liquids with PCB's > or = 50 ppm

[ ] Waste containing HOC's > or = 1,000 mg/kg

Manifest No. TLS (93)77

SECTION III.	CALIFORNIA LIST WASTES									
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		WA		N 3: ATER/ EWATER		MN 4: NG CODE			
	Hazardous waste containing one or more of the following California List constituents:	{ ]	WW	[ ]	Non-WW	1	2	3 <	5	6
	[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg/l [ ] Liquids with thallium greater than or equal to 130 mg									

F019-F028, F037-38	F039, K-,	U-,	AND	P-CC	DES)				
COLUMN 1: COLUMN 2: LINE ITEM WASTE CODE / SUBCATEGORY EE MANIFEST			WA:	STEWA	TER/				
		3	ww	<b>{</b> }	Non-WW	3	4	<u>(5</u> )	) 6
<del></del>	[	]	ww	[ ]	Non-WW	3	4	5	6
,	(	J	WW	[ ]	Non - WW	3	4	5	6
	(	j	WW	[ ]	Non-WW	3	4	5	6
ı	N 2: SUBCATEGORY	N 2: SUBCATEGORY	N 2: EUBCATEGORY  [ ]	N 2: CO SUBCATEGORY WA: NON-1  [] WW  [] WW	COLUMN WASTEWA NON-WASTE	SUBCATEGORY  WASTEWATER/ NON-WASTEWATER  [] WW [] Non-WW  [] WW [] Non-WW	COLUMN 3: CC SUBCATEGORY WASTEWATER/ HAND NON-WASTEWATER  [] WW [] Non-WW 3  [] WW [] Non-WW 3  [] WW [] Non-WW 3	COLUMN 3: COLUMN 5: COLUMN	COLUMN 3: COLUMN 4 WASTEWATER/ NON-WASTEWATER  [] WW [] Non-WW 3 4 5  [] WW [] Non-WW 3 4 5

- [ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.
- [ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

( ) WW

[ ] Non-WW

SECTION V. CONTACT NAME AND DATE

	TILAMAS	RASIUNICZ	•	8-20-99	
rint Name:	HUMMS	CISIONIC	Date:	$\delta \omega \gamma \gamma$	

# KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code DOO1) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050-0039 Manifest Information in the shaded areas is not required by Federal law, but is required by Illinois law 1. Generator's US EPA ID No. UNIFORM HAZARDOUS *8*88879 WASTE MANIFEST ии A A Q Q A. Illinois Manifest Document Number 3. GO SOO OF INCOME OF INCOME OF THE STATE O Location If Different FEE PAID IF APPLICABLE **414** Plaza Drive B. Generator's B. Mumber Suite 106 6499 Industrial Highway Westmont, IL 60559 Gary, IN 46406
\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 5. Transporter 1 Company Name US EPA ID Number ID Number [ MALO39322250 LeanHarbors EnvServi D. Transporter's Phone ( US EPA ID Number E. Transporter's 7. Transporter 2 Company Name 8. ID Number 1/3 F: Transporter's Phone ( 🚟 9. Designated Facility Name and Site Address 10. US EPA ID Number G. Facility's IL. ID Number 19 13 11 Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617 H. Facility's Phone ( n a 46-6202 Chicago, II. 60617 II. D 0 0 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 14. 13. Tota! Unit Waste No. No Type Quantity Wt/Vo G EPA HW Number a. E <sub>- ( क</sub> D **0** 0 HAZARDOUS WASTE LIQUID, N.O.S. , 9, NA3082 N CONTRACTOR OF THE PARTY OF THE Е EPA HW Number R EPA HW Number 0 C. A **EPA HW Number** d. Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above In Item #14 Bright House the Control 15. Special Handling Instructions and Additional Information wo# NB190474 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name AGEUTFOR 6500 Signature Month Day Year MONAS J. RYSBUILCY IND HEWYGROU 0820 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature eter M C SISAN 08 20 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space ACI 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Year Signature 0182019 This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, this Information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center. that this information be submitted to the Agency Failure to provide Falsification of this information may result in a fine up to \$50,000

Manifest No.

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
- 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
- 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

#### SECTION I. CHARACTERISTIC WASTES D001 THROUGH D043

COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ NON-WASTEWATER			UMN		
	[]	D001 D001 D002		]		WW [] Non-WW Non-WW only WW [] Non-WW	1 1A 1	2	3 3	4 6 4	6
	[]	D003 [ ] [ ] [ ] [ ]	Reactive Sulfide, per 261.23(a)(5) Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6), (7) & (8) Water Reactive, per 261.23(a)(2), (3) & (4) Other Reactive, per 261.23(a)(1)	[ [ [ [ [	] ] ] ]	WW [] Non-WW WW [] Non-WW Non-WW only WW [] Non-WW	1 1 1 1	3 3 2 2 2	4 4 3 3 3	5 4 4 4	6 6 6 6
	[]	[ ] D004 D005 D006	Unexploded Ordnance, Emergency Response Arsenic Barium Cadmium	]	] ]	WW [] Non-WW WW [] Non-WW WW [] Non-WW	1 1 1	3 2 2	3 3	5 4 4	6 6 6
ILA	×1	[ ] D007 D008	Cadmium Containing Batteries Chromium Lead	1	j ]	Non-ww only ww [] Non-ww ww [] Non-ww	<sup>2</sup> 1	3 /2 2	6 3	4	6
		[ ]	Lead Acid Batteries	I	]	Non-WW only	2	3	6		

p-cresol)

Manifest No. 1 8432 1/

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] D009 [ ] Low Mercury, less than 260 mg/kg Mercury [ ] High Mercury Organic Subcategory [ ] High Mercury Inorganic Subcategory	[] WW [] Non-WW [] Non-WW only [] Non-WW only	1 2 3 4 2 3 4 2 3 4
	[ ] D010 Selenium [ ] D011 Sılver [ ] D012 Endrin	[] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 2 3 4 5 6
	[ ] D013 Lindane [ ] D014 Methoxychlor [ ] D015 Toxaphene [ ] D016 2,4-D	[] WW [] NON-WW [] WW [] NON-WW [] WW [] NON-WW [] WW [] NON-WW	2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6
	[ ] D017 2,4,5-TP (S1lvex) [ ] D018 Benzene [ ] D019 Carbon tetrachloride	[] WW [] Non-WW [] WW [] Non-WW	2 3 4 5 6 1 2 3 4 6 1 2 3 4 6
	[ ] D020 Chlordane [ ] D021 Chlorobenzene [ ] D022 Chloroform [ ] D023 o-Cresol	[] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	[ ] D024 m-Cresol [ ] D025 p-Cresol [ ] D026 Cresol [ ] D027 1,4-Dichlorobenzene	[] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	[ ] D028 1,2-Dichloroethane [ ] D029 1,1-Dichloroethylene [ ] D030 2,4-Dinitrotoluene	[] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	<pre>[ ] D031 Heptachlor (and its epoxide) [ ] D032 Hexachlorobenzene [ ] D033 Hexachlorobutadiene [ ] D034 Hexachloroethane</pre>	[] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	<ul> <li>D035 Methyl ethyl ketone</li> <li>D036 Nitrobenzene</li> <li>D037 Pentachlorophenol</li> <li>D038 Pyridine</li> </ul>	[ ] WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	[ ] D039 Tetrachloroethylene [ ] D040 Trichloroethylene [ ] D041 2,4,5-Trichlorophenol	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
	[ ] D042 2,4,6-Trichlorophenol [ ] D043 Vinyl Chloride	[] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST	SPENT SOLVENT WASTES F001 THROUGH F005  COLUMN 2: WASTE CODE / CONSTITUENTS	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005	[] WW [] Non-WW	3 4 5 6
	ALL F001-F005     12. Cyclohexanone	zene [] 26. ol (F005	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 Manifest No. 11849321/

SECTION III. CAL	IFORNIA LIST WASTES					,
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ N-WASTEWATER	COLUMI HANDLING	
	zardous waste containing one or more of the follow. lifornia List constituents:	ing [	] ww	[] Non-WW	1 2 3	<b>i</b> 5 6
[ ] [ ] [ ]	ALL CALIFORNIA LIST CONSTITUENTS Liquids with nickel greater than or equal to 134 Liquids with thallium greater than or equal to 1 Liquids with PCB's > or = 50 ppm Waste containing HOC's > or = 1,000 mg/kg		′1			
SECTION IV. OTHER	LISTED WASTES (F006-12, F019-F028, F037-38, F039,	Κ-, τ	-, AI	ID P-CODES)		
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: MASTEWATER/ I-WASTEWATER	COLUMN HANDLING	
		ŧ	) ww	[] Non-ww	3 4	5 6
		ſ	J WW	[ ] Non-WW	3 4	5 6
		ſ	) ww	[] Non-WW	3 4	5 6
		ι	] ww	[ ] Non-WW	3 4	5 6
		1	) ww	[ ] Non-WW	3 4	5 6
[ ] CHECK HERE I	ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLIF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESEND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLET	ENT.	IDEN	TIFY F039 CONST		
SECTION V. CONTAC						
Print Name:	THOMAS J. RYSIEWILZ	_ Da	te:	8-20	0-49	

#### KEY TERMS/DEFINITIONS

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State Form LPC 62 8/81 IL532-0610

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FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

<u> </u>	LEASE TYPE (Form designed for use	e on elite (12-pitch) typewriter.)	EPA Form 8700-22	? (Rev. 6-89)	Form A	Approved OMB	No. 2050-0039
4	UNIFORM HAZARDOUS WASTE MANIFEST	<b>~</b>	S US EPA ID No. 4 0 8 8 8 9 9 2	Marufest Document No	2 Page 1		on in the shaded areas is no by Federal law, but is required by
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П	4. *24 HOUR EMERGENCY AND SPIL	L ASSISTANCE NUMBE	RS-800-645-8265			orter's	18101011919191
П	5. Transporter 1 Company Name		6. US EPA ID Num		ID Nun	nber UP	WO 1807436H
П		envices Inc.	MAD 03932225	0	D. Transp	orter's Phone	9 ( ) / / / / / / / / / / / / / / / / / /
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	9. Designated Facility Name and Site A	Address 1	0. US EPA ID Numl	ber		orter's Phone	9 ( )
П	Clean Harbors Servic	es Inc	**************************************		G. Facility ID Nun	siL ber-poigi	1 6 0 0 0 0 15 11
IJ	11800 South Stony Is	land Ave	1-2-2-2-0-0-0-0	0 4 7 1	H. Facility	s Phone (_	72) 646 6200
Ħ	Chicago, IL 60617  11. US DOT Description (Including Prop	ner Shinning Name. Haz	I I D 0 0 0 6 0	12. Conta	ainers		73′ 646-6202 · · · ·
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ı	J. Additional Description for Materials Li	sted Above	ATTEMENT AND THE	<b>到到今时也</b> 外	K. Handlin	Codes for	Wastes Listed Above
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1	16. GENERATOR'S CERTIFICATION: I he	ereby declare that the cont	ents of this consignment are fully	and accurately	described at	ove by	
	proper shipping name and are classifie according to applicable international an	id, packed, marked, and ia nd national government reg	beled, and are in all respects in p Julations.	proper condition	ior transport	by nignway	
1	If I am a large quantity generator, I ce be economically practicable and that I						
ļ	and future threat to human health and select the best waste management me	the environment; OR, if I a	am a small quantity generator, I h	ave made a go	od faith effort	to minimize	my waste generation and
1		mod that is available to the					Date
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Ų	Die Assessi in outsideed in market	SE MENT	Chapter 111 In Sant Trible	1001 that the	/ Xuer	submitted to if	08/26/7
tř	This Agency is authorized to require, pursuant to this information may result in a civil penalty again per day of violation and imprisonment up to 5 years. This	nst the owner or operator no	t to exceed \$25,000 per day of y/o				

Manifest No. <u>LL8493356</u>

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  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

\*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDS NOTIFICATION FORM.

# SECTION I. CHARACTERISTIC WASTES DOOL THROUGH DO43

COLUMN 1. LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY				COLUMN WASTEWA NON-WASTE	TER/	COLUMN HANDLING				
	[]	D001 D001 D002	Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC) Corrosives	] ] ]	1	Non-WW or	Non-WW	1 1A 1	2	3 3	4 6 4	6
	( )	D003 [ ] [ ] [ ] [ ] [ ] [ ]	Reactive Sulfide, per 261.23(a)(5) Reactive Cyanide, per 261.23(a)(5) Explosive, per 261.23(a)(6), (7) & (8) Water Reactive, per 261.23(a)(2), (3) & (4) Other Reactive, per 261.23(a)(1) Unexploded Ordnance, Emergency Response	]	]	WW []	Non-WW Non-WW Non-WW Non-WW	1 1 1 1 1 1	3 3 2 2 2 2 3	4 4 3 3 3 4	5 5 4 4 4 5	6 6 6
	<b>X</b>	D004 D005 D006 [ ] [ ]	Arsenic Barium  Cadmium Cadmium Containing Batteries Chromium	[ [ [	]	,	Non-WW	1 2 1	2 3 ) 2	3 6 3	4	6
	l J	D008 [ ] [ ]	Lead Lead Acid Batteries	[ [	] ]	MM []	Non-WW	1 2	2	3 6	4	6

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p-cresol)

Manifest No. <u>IL849:33.56</u>

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1 LINE 1TEM SEE MANIFEST	COLUMN 2. WASTE CODE / NAME		COLUMN 3. WASTEWATER/ N-WASTEWATER	COLUMN 4. HANDLING CODE
		00 [ ] WW	N-WASTEWATER  [ ] NON-WW ONLY II - WW ONLY [ ] NON-WW II ] NON-WW	1 2 3 4 2 3 4 1 2 3 4 6 1 2 3 4 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 1 2 3 4 6
SECTION II.	[ ] D037 Pentachlorophenol [ ] D038 Pyridine [ ] D039 Tetrachloroethylene [ ] D040 Trichloroethylene [ ] D041 2,4,5-Trichlorophenol [ ] D042 2,4,6-Trichlorophenol [ ] D043 Vinyl Chloride  SPENT SOLVENT WASTES F001 THROUGH F005	( ) WE ( ) WE ( ) WE ( ) WE ( ) WE ( ) WE	Non-WW   N	1 2 3 4 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / CONSTITUENTS	NC	COLUMN 3: WASTEWATER/ DN-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005	[ ] W	W [ ] Non-ww	3 4 5 6
	1. ALL F001-F005	ol ride etone l keton	[] 2	5. Pyridine 6. Tetrachloroethyler 7. Toluene 8. 1,1,1-Trichloroethane 9. 1,1,2-Trichloroethane 0. Trichloroethylene 1. 1,1,2-Trichloro- 1,2,2-trifluoroeth 2. Trichloromonofluomethane 3. Xylene - mixed is (sum of o-, m-, an p-xylene)

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HEND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	anitest No.		<del>-0 c \</del>		70
SECTION III.	CALIFORNIA LIST WASTES					
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	N	COLUMN WASTEWA ON-WASTE	TER/	COLUM HANDLIN	
	Hazardous waste containing one or more of the fol- California List constituents:	lowing [] W	[ ] WI	Non-WW	1 2 3	4 5 6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>					
SECTION IV. O	THER LISTED WASTES (F006-12, F019-F028, F037-18, F0	039, K-, U-,	AND P-CO	DES)		
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	N	COLUMN WASTEWA ION-WASTE	TER/	COLUM HANDLIN	
		[] W	rw ()	Non-WW	3 4	5 6
		( ) w	iw []	Non-ww	3 4	5 6
		[] W	IW []	Non-ww	3 4	5 6
		. (] W	ıw ()	Non-ww	3 4	5 6
	, - 3	[] w	/W []	Non-WW	3 4	5 6
[ ] CHECK HER	E IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. CO E IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COM	PRESENT. ID	ENTIFY F	039 CONSTI		
	NTACT NAME AND DATE					
Print Name:	THOMAS RYSICUILZ.  AGENT FOR 6500 END. HO PRP 6KOUP	Date	e:	8-2-6	3-94	
	HOLUT FOR 6500 EUD. HO PRP 6KOUP	$\omega_{\lambda}$				

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. F example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to t local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewat treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before la disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do r discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivaler treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitat for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technologies that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contagreater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treat using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES us at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequireuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

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STATE UP ILLINUIS FOR SHIPMENT OF HAZARDOUS P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 32 AND SPECIAL WASTE LPC 62 8/81 IL532-0610 State Form PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050-0039 Mantfest Information in the shaded areas is not required by Federal law, but is required by 1. Generator's US EPA ID No. 2. Page 1 **UNIFORM HAZARDOUS** Pocument No **WASTE MANIFEST** 0002 IND 0 4 0 8 8 8 9 9 2 1 Mort Names and Making Address y Plaza Drive Group A. Illinois Manifest Document Number Location If Different FEE PAID Suite 106 IF APPLICABLE 6499 Industrial Highway \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 B. Generator's IL ID Number 1 C.: Transporter's/10 US EPA ID Number Transporter ) Company Name ID Number ( D. Transporter's Phone ( US EPA ID Number Transporter's Transporter 2 Company Name R 。 经商品额 **ID Number** F. Transporter's Phone ( ) 9. Designated Facility Name and Site Address US EPA ID Number 10. me germands Bayer was ... G. Facility's IL Clean Harbors Services Inc ☆ ID Number Ø 3 11 16 Ø Ø Ø Ø 8551 11800 South Stony Island Ave H. Facility's Phone (773) 646-6202 ILD000608471 Chicago, IL 60617 江东 李明春 新教 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 14. 13. Waste No. Total Unit Type Quantity Wt/Vol 45.7 G EPA HW Number a. WASTE CORROSIVE LIQUID, ACIDIC, (Sulfuric Acid), 8, UN3264, II INORGANIC, N.O.S. K#0 6 Ε A THE STATE OF THE N E EPA HW Number b. R Line Color T "EPA HW Number C. 0 Ħ San Carrie EPA HW Number d. J. Additional Description for Materials Listed Above 111a CH144189B D002 D007 D008 Chapter and the control of the same of the same of the same of the same of the same of the same of the same of 党的市最高的企业。由1961年11月1日中间 15. Special Handling Instructions and Additional Information wo# NB192209 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date AGOUT FOR 6500 Signature Printed/Typed Name Month Day Year IND HEWY GROVE 08 26 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Year Signature 10 264

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name

19. Discrepancy Indication Space

B-9190019999

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Date

Date

Month Day

Year

Year

Month Day

[[NEUALO 08 2689 This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation Faisification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

Signature

Manifest No. <u>IC849.3362</u>

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- \*\*\* NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH DO43 COLUMN 1. COLUMN 2: COLUMN 3: COLUMN 4 · LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE NON-WASTEWATER SEE MANIFEST [ ] D001 Ignitables, except High TOC subcategory [ ] WW [ ] Non-WW 1 2 3 4 6 [] Non-WW only [ ] D001 High TOC Ignitable Liquids Subcategory 1 A 3 6 (Greater than or equal to 10% TOC) D002 Corrosives [ ] WW [X Non-ww D003 Non-ww Reactive Sulfide, per 261.23(a)(5) I I WW [ ] 6 [ ] WW Reactive Cyanide, per 261.23(a)(5) [] Non-WW 4 5 [ ] 3 6 [ ] WW Explosive, per 261.23(a)(6), (7) & (8) [ ] Non-WW [] 2 3 Water Reactive, per 261.23(a)(2), (3) & (4) [ ] Non-WW only 1 3 ſì [ ] Non-WW Other Reactive, per 261.23(a)(1) [ ] WW 2 3 [ ] [ ] Non-WW Unexploded Ordnance, Emergency Response [ ] WW [ ] [ ] Non-WW Arsenic f 1 ww [ ] D004 [] D005 Barıum [ ] WW [ ] Non-WW [ ] D006 Cadmium [ ] WW [] Non-WW 3 [ ] D007 Cadmium Containing Batteries ( ) Non-WW only 6 Chromium [ ] WW ₩ Non-ww Lead LA\_Non-WW 3 4 [ ] WW Lead Acid Batteries [ ] Non-WW only

17.4

### SECTION I CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2. WASTE CODE / NAME	COLUMN 3 - WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
SEE MANIFEST	[] Low Mercury, less than 260 mg/kg Mercury [] High Mercury Organic Subcategory [] High Mercury Inorganic Subcategory [] D010 Selenium [] D011 Silver [] D012 Endrin [] D013 Lindane [] D014 Methoxychlor [] D015 Toxaphene [] D016 2,4-D [] D017 2,4,5-TP (Silvex) [] D018 Benzene [] D019 Carbon tetrachloride [] D020 Chlordane [] D021 Chlorobenzene [] D022 Chloroform [] D023 o-Cresol [] D024 m-Cresol [] D025 p-Cresol [] D026 Cresol [] D027 1,4-Dichlorobenzene [] D029 1,1-Dichloroethane [] D029 1,1-Dichloroethylene [] D030 2,4-Dinitrotoluene [] D031 Heptachlor (and its epoxide) [] D032 Hexachlorobenzene [] D033 Hexachlorobenzene [] D034 Hexachloroethane [] D035 Methyl ethyl ketone [] D036 Nitrobenzene [] D037 Pentachloroethylene [] D038 Pyridine [] D041 Tichloroethylene [] D041 Tichloroethylene [] D041 Tichloroethylene [] D041 Tichloroethylene	WW     Non-WW     Non-WW   Only     Non-WW only     Non-WW     Non-WW     Non-WW     Non-WW     WW     WW     Won-WW     WW     WW     WW     WNON-WW     WW     WW	1 2 3 4 6 1 2 3 4 6 6 1 2 2 3 4 6 6 1 2 2
	[ ] D041 2,4,5-Trichlorophenol [ ] D042 2,4,6-Trichlorophenol [ ] D043 Vinyl Chloride	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
SECTION II.  COLUMN 1: LINE ITEM SEE MANIFEST	SPENT SOLVENT WASTES FOO1 THROUGH FOO5  COLUMN 2: WASTE CODE / CONSTITUENTS  [] FOO1 [] FOO2 [] FOO3 [] FOO4 [] FOO5	COLUMN 3: WASTEWATER/ NON-WASTEWATER  [] WW [] NON-WW	COLUMN 4: HANDLING CODE 3 4 5 6
	[] F001 [] F002 [] F003 [] F004 [] F005  1. ALL F001-F005 [] 12. Cyclohexanone 2. Acetone [] 13. o-Dichlorobenze 3. Benzene [] 14. 2-Ethoxyethanolonly) 5. Carbon disulfide [] 15. Ethyl acetate 6. Carbon tetrachloride [] 16. Ethyl benzene 7. Chlorobenzene [] 17. Ethyl ether 8. o-Cresol [] 18. Isobutyl alcoholonly in the content of the	[ ] 25   26   27   28   29   29   29   29   20   20   20   20	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro 1,2,2-trifluoroethal Trichloromonofluoromethane Xylene - mixed isor (sum of o-, m-, and p-xylene)

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Manifest No. <u>TL8493362</u>

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SECTION III	CALIFORNIA LIST WASTES											•	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			W	COLUI ASTEI -WAS:	AY.			CC H <b>AN</b> E	LUN			Ε
	Hazardous waste containing one or more of the following California List constituents:	ſ	1	WW	[	)	Non-WW	1	2	3	4	5	6
	<ul> <li>ALL CALIFORNIA LIST CONSTITUENTS</li> <li>Liquids with nickel greater than or equal to 134 m</li> <li>Liquids with thallium greater than or equal to 130</li> <li>Liquids with PCB's &gt; or = 50 ppm</li> <li>Waste containing HOC's &gt; or = 1,000 mg/kg</li> </ul>		1										
	753												
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K	<u>-, u</u>	<u></u>	AN	D P-0	<u> </u>	DES)						
COLUMN 1. LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY			W.	COLUI ASTEI -WAS:	IA'			CC HANE	LUN			E
114	_K062	ť	}	ww	7	*	Non-ww		3	4	6	<b>)</b> 6	
		Į	}	ww	ĺ	1	Non-WW		3	4	5	6	
		ι	1	ww	ί	]	Non-WW		3	4	5	6	
		ι	)	WW	ſ	1	Non-WW		3	4	5	6	
		ί	ì	ww	ί	1	Non-WW		3	4	5	6	
[ ] CHECK HE	RE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESEN II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED	T.	I	DEN7	1 FY	F	39 CON:	STITUE	-	-	_		LETING
SECTION V. CO	ONTACT NAME AND DATE  AG WT FOR 657	OO	Z		Ь								
Print Name: _	THOMAS RYSILWILZ HOWY GROUP	ם	at	:e:			8-	76	-9	9			

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

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HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

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FOR SHIPMENT OF HAZARDOUS P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 AND SPECIAL WASTE State Form LPC 62 8/81 II 532-0610 PLEASE TYPE (Form designed for use on elite (12-pitch) typewnter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No 2050-0039 Manifest Information in the shaded areas is not required by Federal law, but is required by Illinois law. 1. Generator's US EPA ID No. **UNIFORM HAZARDOUS** Document No WASTE MANIFEST 889 A. Illinois Manifest Document Number 3. G65000 Thidustod Maling Haddreway Group Location If Different FEE PAID **414 Plaza Drive** IF APPLICABLE Suite 106 6499 Industrial Highway B. Generator's IL 心代表的理解 Westmont, IL 60559 Gary, IN 46406 \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 ID Number 1 C. Transporter's 6. US EPA ID Number Jransporter 1 Company Name 166CN D. Transporter's Phone ( E. Transporter's 7. Transporter 2 Company Name R US EPA ID Number \*ID Number F. Transporter's Phone ( US EPA ID Number 9. Designated Facility Name and Site Address 10 Facility's IL G. Facility's IL 10 Number 10 13 11 16 10 10 10 15 11 Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617 SE Votestop vi H. Facility's Phone ( 646-6202 naaa 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 13. Waste No. Total Unit No Type Quantity G a. RQ, Waste Corrosive Liquids, basic, Inorganic, N.O.S (Sodium Hydroxide, Potassium Hydroxide), 8, UN3266, II Ε N TO THE E **EPA HW Numbe** b. R T EPA HW Number 0 C. A d. 相处理论 J. Additional Description for Materials Listed Above 11a CH144194B K. Handling Codes for Wastes Listed Above in Item #14 機能的信息的物質的自然性影響等 AMERICAN, CLASSIAN AS CHE 的一致"你是红道的 15. Special Handling Instructions and Additional Information wo# NB192934 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name 16601 por 6500 Signatu Month Day Year 08 3/199 IND HOWYGROUP THOMAS RYSICULUZ 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Signature

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space B-12PW01240096 H

ACI

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name

MUNICO

Signature

Date Month Day

Year

s Agency is authorized to require, pursuant to illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021/ Information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center. that this information be submitted to the Agency. Failure to provide Falsification of this information may result in a fine up to \$50,000

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(8).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CNA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste 18 a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UNC's are NOT required to be identified.
  - 6 The waste 18 a lab pack that 18 intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV. lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, Ul34, and Ul51 are not eligible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTANINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I. CHARACTERISTIC WASTES DOO1 THROUGH DO43

COLUMN 1: LINE ITEM SEE MANIFEST		COLUMN 2: WASTE CODE / SUBCATEGORY				Coli Wasti Non-Was	EMY.	rer/			4: CODE		
	[]	D001	Ignitables, except High TOC subcategory	Į	-			Non-WW	1	2	3	4	6
<del></del>	( )	D001	High TOC Ignitable Liquids Subcategory	ι	1	Non-WW	on.	ıy	1A	_	3	6	
_11a_	X	D002	(Greater than or equal to 10% TOC) Corrosives	E	1	WW	X	Non-WW	1	(2)	3	4	6
	• •	[]	Reactive Sulfide, per 261.23(a)(5)	[	)	WW	[]	Non-WW	1	3	4	5	6
		( )	Reactive Cyanide, per 261.23(a)(5)	ſ	)	WW	[ ]	Non-WW	1	3	4	5	6
		( )	Explosive, per 261.23(a)(6), (7) & (8)	ι	}	WW	[]	Non-WW	1	2	3	4	6
		[]	Water Reactive, per 261.23(a)(2), (3) & (4)	ſ	)	Non-WW	On.	ly	1	2	3	4	6
•		[]	Other Reactive, per 261.23(a)(1)	[	]	WW	[ ]	Non-WW	1	2	3	4	6
		[ ]	Unexploded Ordnance. Emergency Response	ſ	)	WW	[]	Non-WW	1	3	4	S	6
	[]	D004	Arsenic	{	)		( )	Non-WW	1	2	3	4	6
	[]	D005	Barium	•	)	WW	[ ]	Non-WW	1	2	3	4	6
	[ ]	D006		_	_				_	_	_		
		[ ]	Cadmium	[	]			Non-WW	1	2	3	4	6
		[]	Cadmium Containing Batteries	ເ	)	Non-WW		-	2	3	6		
	[]	D007	Chromium	(	1	WW	( )	Non-WW	1	2	3	4	6
	[]	D008											
			Lead	[	)	WW	( )	Non-WW	1	2	3	4	6
			Lead Acid Batteries	ι	)	Non-WW	on	ly	2	3	6		

lanifest No. TUSH 3439

# . I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

.JLUMN 1: E ITEM 'IFEST		COLUMN 2: WASTE CODE / NAME	;	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN HANDLING	
	[ ] D009	Low Mercury, less than 260 mg/kg Mercur High Mercury Organic Subcategory Righ Mercury Inorganic Subcategory Selenium Silver Endrin Lindane Methoxychlor Toxaphene 2,4-D 2,4.5-TP (Silvex) Benzene Carbon tetrachloride Chlordane Chlorobenzene Chloroform o-Cresol m-Cresol p-Cresol Cresol 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 2,4-Dinitrotoluene Heptachlor (and its epoxide) Hexachlorobenzene Hexachlorobenzene Hexachloroethane Methyl ethyl ketone Nitrobenzene Pentachloroethylene Pentachloroethylene Trichloroethylene 2,4,5-Trichlorophenol Vinyl Chloride	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	NON-WW ONLY NON-WW ONLY WW [] NON-WW	2 3 4 2 3 4 1 2 3 1 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 3 1 2 3	4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	1. ALL F000 2. Acetone 3. Benzene 4. n-Buty1 6. Carbon 7. Chlorob 8. O-Creso 9. m-Creso	[] 13. o-Dichlo [] 14. 2-Ethox only)  alcohol	xanone orobenzene cyethanol (FO ccetate enzene ther cl alcohol	005 []	25. Pyridine 26. Tetrachlor 27. Toluene 28. 1,1,1-Tric ethane 29. 1,1,2-Tric ethane 30. Trichloro 31. 1,1,2-Tric	CODE  5 6  roethylene chloro- chloro- ethylene chloro-
<del>-</del>	p-cresol 10. p-Creso distingu m-cresol 11. Cresol		ene chloride ethyl ketone isobutyl ket inzene opropane (F00	e [ ] tone [ ]	32. Trichloron methane	mixed isomer

CLEAN	HARBORS	ENVIRONMENTAL SERVICES, INC.	
LAND	DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	

Manifest No. 12849434

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SECTION III.	CALIFORNIA LIST WASTES						•	ı			
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE			CO	LUM			
	Hazardous waste containing one or more of the following California List constituents:	[ ]	ww	[ ]	Non-	WW 1	2	3	4	5 6	
	[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 mg [ ] Liquids with thallium greater than or equal to 130 [ ] Liquids with PCB's > or = 50 ppm [ ] Waste containing HOC's > or = 1,000 mg/kg										
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-	. <u>U</u> -	, AN	D P-CC	DES }						
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE	-		HANE	LUM			
•											
		( )	MM	ι ,	Non-	WW	3	4	5	6	
<del></del>		( )	WW	[ ]	Non-	MM	3	4	5	6	
	<del></del>	[ ]	WW	( )	Non-	MM	3	4	5	6	
		[]	WW	( )	Non-	MM	3	4	5	6	
		[ ]	MM	[ ]	Non-	WW	3	4	5	6	
[ ] CHECK H	ERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE ERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED	T.	DEN	CIFY F	7039 C	ONSTITU					TING
SECTION V.	CONTACT NAME AND DATE										
Print Name:	THOMAS RYCIONICT	Da	te:		8-	31-9	Ý_				

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

=	P.O. BOX 19	276 SPRIN	IGFIELD, ILLINOIS 62794-9276 (2 <sup>.</sup>	17) 782-6761				NT OF HAZARDOUS . WASTE
	EASE TYPE (Form designed for use on elite (	40 dah) h	State Form LPC 62 8/81 IL EPA Form 8700-22 (F	532-0610	lell'			
Ā	EASE TYPE (Form designed for use on elite ( UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA ID No.	Manifest current No.		Form Approved. ON Page 1 Information require	ation in	the shaded areas is no eral law, but is required b
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	5. Transporter 1 Company Name	6	. US EPA ID Number		ا	Number 0	Pow	1807430H
	7. Transporter 2 Company Name		<b>MAD 039322とで</b> US EPA ID Number				ne (6/	4)849-1800
	7. Transporter 2 Company Name	0	. OS EPA ID NUMBE		250: 1C	ransporter's		
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	Clean Harbors Services In	IC Avo	• • • • • • • • • • • • • • • • • • • •					10°10'10 10`15'11
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TRANSPORTER FACIL	11a CH144189 D002, D007 11b CH144190 D007  11 CC144198 D002, D007  11 CC144198 D002, D007  15. Special Handling Instructions and Additional proper shipping name and are classified, packed according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have select threat to human health and the environment of the threat to human health and the environment of the printed/Typed Name  THOMPS TRYSICUICS TO Reinted/Typed Name  Rinted/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name  Printed/Typed Name	Information  Infor	Ints of this consignment are fully an eled, and are in all respects in propulations.  In place to reduce the volume and le method of treatment, storage, or n a small quantity generator, I have and that I can afford.  TOO Signature  Signature  Signature	per condition toxicity of w	descrit for trainaste qua	ped above-by insport by highway	WO#	NB193171  ave determined to imizes the present ste generation and  Date  Month Day Year  Date  Month Day Year  OGO 191
RTER FACIL	11a CH144189 D002, D007 11b CH144190 D007  11 CC144198 D002, D007  11 CC144198 D002, D007  15. Special Handling Instructions and Additional proper shipping name and are classified, packed according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have sele and future threat to human health and the environment of the theory select the best waste management method that Printed/Typed Name  THOMAS J. RYSIEWICZ J.  17. Transporter 1 Acknowledgement of Receipt of Rinted/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name  19. Discrepancy Indication Space	Information  Infor	Ints of this consignment are fully an eled, and are in all respects in propalations.  In place to reduce the volume and le method of treatment, storage, or n a small quantity generator, I have and that I can afford.  Signature  Signature  Signature  Signature	toxicity of widisposal cuite made a good	descrit for train aste gerrently od faith	ped above-by insport by highway enerated to the dravailable to me will effort to minimize	WO#	NB193171  The state of the present o
RTER FACIL	11a CH144189 D002, D007 11b CH144190 D007  11 CCL144190 D007  15. Special Handling Instructions and Additional  16. GENERATOR'S CERTIFICATION: I hereby deceproper shipping name and are classified, packed according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have sele and future threat to human health and the environment of	Information  Infor	Ints of this consignment are fully an eled, and are in all respects in properties. In place to reduce the volume and le method of treatment, storage, or n a small quantity generator, I have and that I can afford.  Signature  Signature  Signature	toxicity of widisposal cuite made a good	descrit for train aste gerrently od faith	ped above-by insport by highway enerated to the dravailable to me will effort to minimize	WO#	NB193171  The state of the present o
RTER FACILITY	11a CH144189 D002, D007 11b CH144190 D007  11 CC144198 D002, D007  11 CC144198 D002, D007  15. Special Handling Instructions and Additional proper shipping name and are classified, packed according to applicable international and national if I am a large quantity generator, I certify that be economically practicable and that I have sele and future threat to human health and the environment of the theory select the best waste management method that Printed/Typed Name  THOMAS J. RYSIEWICZ J.  17. Transporter 1 Acknowledgement of Receipt of Rinted/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name  19. Discrepancy Indication Space	Information  Infor	Ints of this consignment are fully an eled, and are in all respects in propalations.  In place to reduce the volume and le method of treatment, storage, or n a small quantity generator, I have and that I can afford.  Signature  Signature  Signature  Signature	toxicity of wide made a good wide wide made a good wide made a good wide made a good wide made a good wide wide wide wide wide wide wide wid	descrit for train aste ge rently do faith	ped above-by insport by highway enerated to the davailable to me will effort to minimize	WO#	NB193171  NB193171  NB193171  NB193171  NB193171  Date  Month Day Year  Date  Month Day Year  Date  Month Day Year  Date  Month Day Year  Date  Month Day Year  Date

SECTION I.

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA MASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45°; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106. P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

CHARACTERISTIC WASTES DOOL THROUGH DO43 7 COLUMN 1: COLUMN 3: COLUMN 4: COLUMN 2 · LINE ITEM WASTE CODE / SUBCATEGORY WASTEWATER/ HANDLING CODE SEE MANIFEST NON-WASTEWATER [ ] WW [ ] Non-WW 1 2 3 4 [ ] D001 Ignitables, except High TOC subcategory High TOC Ignitable Liquids Subcategory [ ] Non-WW only 1A (Greater than or equal to 10% TOC) 1 (2) 3 Non-ww [ ] WW D002 Corrosives D003 [ ] - Reactive Sulfide, per 261.23(a)(5) [ ] Non-WW [ ] WW 1 3 Reactive Cyanide, per 261.23(a)(5) I ) WW [ ] Non-WW [ ] 2 3 Explosive, per 261.23(a)(6), (7) & (8) [ ] WW [ ] Non-WW 1 2 3 [ ] Water Reactive. per 261.23(a)(2), (3) & (4) [ ] Non-WW only 1 [ ] WW [ ] Non-WW 1 1 Other Reactive, per 261.23(a)(1) 1 2 Unexploded Ordnance, Emergency Response [ ] WW [ ] Non-WW 3 1 ( ) WW D004 Arsenic [ ] Non-WW [ ] WW [ ] Non-WW [ ] D005 Barıum [ ] D006 [ ] Non-WW [ ] Cadmium [ ] WW [] Non-WW only [] Cadmium Containing Batteries Non-ww [ ] WW D007 Chromium Q008 [ ] WW Non-WW Lead ( ) Non-ww only [] Lead Acid Batteries

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anifest No. TLHI 3110

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] D009 [ ] Low Mercury, less than 260 mg/kg Mercury [ ] High Mercury Organic Subcategory [ ] High Mercury Inorganic Subcategory [ ] D010 Selenium	[ ] WW	1 2 3 4 2 3 4 2 3 4 1 2 3 4 6
	[] D011 Silver	[] WW [] Non-WW	1 2 3 4 6
	[ ] D012 Endrin	[] WW [] Non-WW	2 3 4 5 6
	[ ] D013 Lindane	[] WW [] Non-WW	2 3 4 5 6
	[] D014 Methoxychlor	[ ] WW [ ] Non-WW	2 3 4 5 6
	[ ] D015 Toxaphene [ ] D016 2,4-D	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	2 3 4 5 6 2 3 4 5 6
	[ ] D017 2,4,5-TP (Silvex)	[] WW [] Non-WW	2 3 4 5 6
	[ ] D018 Benzene	[] WW [] Non-WW	1 2 3 4 6
	[ ] D019 Carbon tetrachloride	[] WW [] Non-WW	1 2 3 4 6
	[] D020 Chlordane	[ ] WW [ ] Non-WW	1 2 3 4 6
<del></del>	[ ] D021 Chlorobenzene	[] WW [] Non-WW	1 2 3 4 6
	[] D022 Chloroform [] D023 o-Cresol	[ ] WW [ ] Non-WW [ ] Ww [ ] Non-WW	1 2 3 4 6
	[] D024 m-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] DO25 p-Cresol	[] WW [] Non-WW	1 2 3 4 6
	[ ] D026 Cresol	[] WW [] Non-WW	1 2 3 4 6
	[] D027 1,4-Dichlorobenzene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D028 1,2-Dichloroethane	[] WW [] Non-WW	1 2 3 4 6
	[ ] D029 1,1-Dichloroethylene [ ] D030 2,4-Dinitrotoluene	[ ] WW	1 2 3 4 6
	[ ] D031 Heptachlor (and its epoxide)	[] WW [] Non-WW	1 2 3 4 6
	[ ] D032 Hexachlorobenzene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D033 Hexachlorobutadiene	[] WW [] Non-WW	1 2 3 4 6
	[] D034 Hexachloroethane	[] WW [] Non-WW	1 2 3 4 6
<del></del>	[] D035 Methyl ethyl ketone	[ ] WW [ ] Non-WW [ ] Ww [ ] Non-WW	1 2 3 4 6
	[ ] D036 Nitrobenzene [ ] D037 Pentachlorophenol	[] WW [] Non-WW [] WW []	1 2 3 4 6
	[ ] D038 Pyridine	[] WW [] Non-WW	1 2 3 4 6
	[ ] D039 Tetrachloroethylene	[ ] WW [ ] Non-WW	1 2 3 4 6
	[ ] D040 Trichloroethylene	[] WW [] Non-WW	1 2 3 4 6
	[] D041 2,4,5-Trichlorophenol	[ ] WW [ ] Non-WW	1 2 3 4 6
	[] D042 2,4,6-Trichlorophenol [] D043 Vinyl Chloride	[] WW [] Non-WW [] WW []	1 2 3 4 6
	[ ] D043 Vinyl Chloride	() WH () NOIL-WH	1 2 3 4 6
SECTION II.	SPENT SOLVENT WASTES F001 THROUGH F005		
COLUMN 1:	COLUMN 2:	COLUMN 3:	COLUMN 4:
LINE ITEM SEE MANIFEST	WASTE CODE / CONSTITUENTS	Wastewater/ Non-Wastewater	HANDLING CODE
SEE PARTIEST		NOW-MAGILIMIE	
	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005	[] WW [] NON-WW	3 4 5 6
[]	1. ALL F001-F005 [ ] 12. Cyclohexanone 2. Acetone [ ] 13. o-Dichlorobenz 3. Benzene [ ] 14. 2-Ethoxyethano	ene[] 26	. Pyridine . Tetrachloroethylene
[]	3. Benzene [] 14. 2-Ethoxyethano 4. n-Butyl alcohol only)		. Toluene . 1,1,1-Trichloro-
i i	5. Carbon disulfide [] 15. Ethyl acetate	, 20	ethane
	6. Carbon tetrachloride [ ] 16. Ethyl benzene	[] 29	. 1,1,2-Trichloro-
[]	7. Chlorobenzene [] 17. Ethyl ether		ethane
[]	8. o-Cresol [] 18. Isobutyl alcoh		. Trichloroethylene
[]	9. m-Cresol (difficult to [ ] 19. Methanol distinguish from [ ] 20. Methylene chlo		. 1,1,2-Trichloro- 1,2,2-trifluoroethane
	distinguish from [] 20. Methylene chlor p-cresol) [] 21. Methyl ethyl k		. Trichloromonofluoro-
( )	10. p-Cresol (difficult to [] 22. Methyl isobuty		methane
	distinguish from [ ] 23. Nitrobenzene		. Xylene - mixed isomer:
	m-cresol) [ ] 24. 2-Nitropropane	(F005	(sum of o-, m-, and
[]	11. Cresol - mixed isomers only)		p-xylene)
	(sum of o-,,m- and		
	p-cresol)		

CLEAN HARBORS	ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1

TI SUA 2469

LAND DISPOSAL	L RESTRICTION NOTIFICATION FORM LDR-1	manifest No		
SECTION III.	CALIFORNIA LIST WASTES			•
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2. 'WASTE CODE / SUBCATEGORY	WAS	DLUMN 3: STEWATER/ WASTEWATER	COLUMN 4: HANDLING CODE
	Hazardous waste containing one or more of the formal formal List constituents:  [] ALL CALIFORNIA LIST CONSTITUENTS [] Liquids with nickel greater than or equal to [] Liquids with thallium greater than or equal [] Liquids with PCB's > or = 50 ppm	o 134 mg/l	[ ] Non-WW	1 2 3 4 5 6
	[ ] Waste containing HOC's > or = 1,000 mg/kg	 -		
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F	039, K-, U-, AND	P-CODES)	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	WAS	LUMN 3: TEWATER/ ASTEWATER	COLUMN 4: HANDLING CODE
lla_	Koloz	[ ] WW	Non-WW	3 4 5)6
		( ) WW	( ) Non-WW	3 4 5 6
		( ) ww	[ ] Non-WW	3 4 5 6
		( ) ww	[ ] Non-WW	3 4 5 6
-		[ ] WW	[ ] Non-WW	3 4 5 6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

[ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE

Print Name: THOMAS J. RYSICAULY Two. HEWY EXCUPDATE: 9-1-99

### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals; reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

CLEAN	HARBORS	ENVIRONMENTAL	SERVICES,	INC.		
LAND	DISPOSAL.	RESTRICTION N	OTIFICATION	FORM	I.DR - 1	ADDENDUM

Manifest No. 11849 3469

#### SECTION I. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

- [] Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "Underlying Hazardous Constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, fluoride, selenium, sulfides, vanadium and zinc are NOT regulated as UHC's.
- [ ] Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste.

#### SECTION II. MULTI-SOURCE\_LEACHATE (WASTE CODE F039)

- [] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent. Note that constituents which are identified by an asterisk (\*) are NOT regulated as F039 constituents.
- [ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

#### SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

- [] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.
- [ ] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

#### SECTION IV. LIST OF CONSTITUENTS - INCLUDE MANIFEST LINE ITEM

-		<del></del>	
250.	[ ] A2213 (*)	72.	[ ] Chlordane (alpha and gamma
34.	[ ] Acenaphthylene		isomers)
35.	[ ] Acenaphthene	73.	[ ] p-Chloroaniline
36.	[ ] Acetone	74.	[ ] Chlorobenzene
37.	[ ] Acetonitrile	75.	[ ] Chlorobenzilate
38.	[ ] Acetophenone	76.	[ ] 2-Chloro-1,3-butadiene
39.	[ ] 2-Acetylaminofluorene	77.	[ ] Chlorodibromomethane
40.	[] Acrolein	78.	[ ] Chloroethane
41.	[ ] Acrylamide (*)	79.	[ ] bis(2-Chloroethoxy)methane
42.	[ ] Acrylonitrile	80.	[ ] bis(2-Chloroethyl)ether
251.	[ ] Aldicarb sulfone (*)	81.	[ ] Chloroform
43.	[ ] Aldrin	82.	[ ] bis(2-Chloroisopropyl)ether
44.	[ ] 4-Aminobiphenyl	83.	[ ] p-Chloro-m-cresol
45.	[] Aniline	84.	[ ] 2-Chloroethyl vinyl ether (*)
46.	[ ] Anthrácene	85.	[ ] Chloromethane (Methyl Chloride)
47.	[ ] Antimony	86.	[ ] 2-Chloronaphthalene
48.	[] Aramite	87	[ ] 2-Chlorophenol
49.	[ ] Arsenic	88. 1	[, ], 3-Chloropropylene
50.	[] alpha-BHC	89. TIUTO	Chromium (Total)
51.	[ ] beta-BHC	· . 90.	[ ] Chrysene
52.	[ ] delta-BHC	91.	[] o-Cresol
53.		92.	[ ] m-Cresol (difficult to
252.	[] Barban (*)	<del></del>	distinguish from p-Cresol)
54.	( ) Domestin	93.	[ ] p-Cresol (difficult to
253.	[ ] Bendiocarb (*)	<del></del>	distinguish from o-Cresol)
254.	<del>-</del> 11.	262.	[] m-Cumenyl methylcarbamate (*)
255.		94.	[ ] Cyanides (Total)
55.		95.	[ ] Cyanides (Amenable)
56.	[ ] Benz(a)anthracene	263.	[] Cycloate (*)
57.	[ ] Benzal chloride (*)	96.	[ ] Cyclohexanone
58.	[ ] Benzo(b)fluoranthene (difficult	97.	[] 1,2-Dibromo-3-chloropropane
	to distinguish from	98.	[ ] 1,2-Dibromoethane (Ethylene dibromide)
	Benzo(k)fluoranthene)	99.	[] Dibromomethane
59.	[ ] Benzo(k)fluoranthene (difficult	100.	[ ] 2,4-Dichlorophenoxyacetic acid (2,4-D)
	to distinguish from	101.	[ ] o,p'-DDD
	Benzo(b) fluoranthene)	102.	[] p,p'-DDD
60.	Benzo(g,h,1)perylene	103.	[ ] o,p'-DDE
61.	[ ] Benzo(a)pyrene	104.	( ) p,p'-DDE
62.	{ } Berylium	105.	[] o,p'-DDT
63.	<b>=</b>	106.	( ) p,p'-DDT
64.	[ ] Bromomethane (Methyl bromide)	102	[] Dibenz(a,h)anthracene
		107.	[] Dibenzo(a,e)pyrene
66.	[ ] n-Butyl alcohol	109	[] m-Dichlorobenzene
		109.	[] o-Dichlorobenzene
67.	[ ] Butyl benzyl phthalate	111.	[] p-Dichlorobenzene
68.	[ ] 2-sec-Butyl-4,6-dinitrophenol		[ ] Dichlorodifluoromethane
	(Dinoseb)	112. 113.	[] 1,1-Dichloroethane
69.	[ ] Cadmium	114.	[] 1,2-Dichloroethane
	• • •	115.	[] 1,1-Dichloroethylene
257 258		116.	[] trans-1,2-Dichloroethylene
259	[] Carbendazim (*)	116.	[ ] 2,4-Dichlorophenol
259.	_ [] Carbofuran phonol (t)	117.	[] 2,4-bichlorophenol
260.	[ ] Carbofuran phenol (*)	118.	· · · · · · · · · · · · · · · · · · ·
70.		119.	· · · · · · · · · · · · · · · · · ·
71	[ ] Carbon tetrachloride	120.	[] cis-1,3-Dichloropropylene
261.	_ [ ] Carbosulfan (*)	121.	[] trans-1,3-Dichloropropylene
	CHI Form	n LDR-1 Addendum, P	Page 1 of 3 [REVISED 08/24/98]

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5.5

		ENTAL SERVICES, INC. TON NOTIFICATION FORM LDR-1	ADDENDUM	Manıfest No.	<u> 18493469</u>
236		1,2,4-Trichlorobenzene	244		1,1,2-Trichloro-1,2,2-trifluoroethan
237.		1,1,1-Trichloroethane	290.	:	Triethylamine (*)
238.	()	1,1,2-Trichloroethane	245.	( )	tris-(2,3-Dibromopropyl)phosphate
139.	<u> </u>	Trichloroethylene	246.		Vanadium (*)
240.	<u> </u>	Trichloromonofluoromethane	291.		Vernolate (*)
241.	[]	2,4,5-Trichlorophenol	247.		Vinyl chloride
242.	[]	2,4,6-Trichlorophenol	. 248.		Xylenesmixed isomers (sum of o-,
243.		1,2,3-Trichloropropane	•		m-, and p-xylene concentrations)
		-	249.	[ ]	Zinc (*)

#### KEY TERMS/DEFINITIONS .

CONTAMINANTS SUBJECT TO TREATMENT (CSTT) are the specific constituents listed by waste code number in the Treatment Standard Table in §268.40. CSTT's must be identified for all hazardous debris wastes that are intended for treatment using one of the hazardous debris alternate treatment technologies described in §268.45.

REASONABLY EXPECTED TO BE PRESENT means that the generator is relying on knowledge of the raw materials used, the process, and potential reaction products, or on the results of a one-time analysis for the entire list of UHC's that may be present in the untreated hazardous waste. If a one-time analysis of the entire list of UHC's is conducted, subsequent analyses are required for only those pollutants which would reasonably be expected to be present in the waste as generated, based on the previous sampling and analysis results.

UNDERLYING HAZARDOUS CONSTITUENT (UHC) means any constituent listed in \$268.48 Table UTS - Universal Treatment Standards (except fluoride, selenium, sulfides, vanadium and zinc) which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. [See 40 CFR 268.2]

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 P.O. BOX 19276 10114 State Form LPC 62 8/81 IL532-0610 PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050-0039

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This Agency is authorized to require, pursuant to lithous Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Faisification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

Manifest No. 1 8193470

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA LASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - I = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.
- NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

# SECTION I. CHARACTERISTIC WASTES DOOL THROUGH DO43

COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY			COLUMN 3: WASTEWATER/ NON-WASTEWATER			UMN ING		
	[]	D001	Ignitables, except High TOC subcategory	ĺ	)	WW [] Non-WW	1	2	3	4	6
	[ ]	D001	High TOC Ignitable Liquids Subcategory	ĺ	1	Non-WW only	1A		3	6	
119	X	D002	(Greater than or equal to 10% TOC) Corrosives	ι	}	WW I Non-WW	1	(2)	3	4	6
	• •	[]	Reactive Sulfide, per 261.23(a)(5)	ĺ	)	WW [] Non-WW	1	3	4	5	6
		Ü	Reactive Cyanide, per 261.23(a)(5)	ĺ	j	WW [] Non-WW	1	3	4	5	6
		Ü	Explosive, per 261.23(a)(6), (7) & (8)	ι	]	WW [ ] Non-WW	1	2	3	4	6
		[]	Water Reactive, per 261.23(a)(2), (3) & (4)	1	)	Non-WW only	1	2	3	4	6
		[ ]	Other Reactive, per 261.23(a)(1)	[	]	WW [] Non-WW	1	2	3	4	6
		[ ]	Unexploded Ordnance, Emergency Response	1	)	WW [ ] Non-WW	1	3	4	5	6
	[ ]	D004	Arsenic	ĺ	)	WW [] Non-WW	1	2	3	4	6
	[ ]	D005	Barium	ſ	)	WW [] Non-WW	1	2	3	4	6
	[ ]	D006									
		[]	Cadmium	{	)	WW ( ) Non-WW	1	2	3	4	6
		[ ]	Cadmium Containing Batteries	Į.	J	Non-WW only	2	3	6		
	[ ]	D007	Chromium	{	)	WW [] Non-WW	1	2	3	4	6
	( )	D008									
		[ ]	Lead	(	•	WW [] Non-WW	1	2	3	4	6
		[ ]	Lead Acid Batteries	ĺ	)	Non-WW only	2	3	6		

1.4

# SECTION 1. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
SEE MANIFEST	[ ] D009 [ ] Low Mercury, less than 260 mg/kg Mercury [ ] High Mercury Organic Subcategory [ ] High Mercury Inorganic Subcategory [ ] D010 Selenium [ ] D011 Silver [ ] D012 Endrin [ ] D013 Lindane [ ] D014 Methoxychlor [ ] D015 Toxaphene [ ] D016 2,4-D [ ] D017 2,4,5-TP (Silvex) [ ] D018 Benzene [ ] D019 Carbon tetrachloride [ ] D020 Chlordane [ ] D021 Chlorobenzene [ ] D022 Chloroform [ ] D022 Chloroform [ ] D023 o-Cresol [ ] D024 m-Cresol [ ] D025 p-Cresol [ ] D026 Cresol [ ] D027 1,4-Dichlorobenzene [ ] D028 1,2-Dichloroethane [ ] D029 1,1-Dichloroethylene [ ] D030 2,4-Dinitrotoluene [ ] D031 Heptachlor (and its epoxide) [ ] D032 Hexachlorobenzene [ ] D033 Hexachlorobenzene [ ] D034 Hexachlorobenzene [ ] D035 Methyl ethyl ketone [ ] D036 Nitrobenzene [ ] D037 Pentachlorophenol [ ] D038 Pyridine	· · · · · · · · · · · · · · · · · · ·	1 2 3 4 2 3 4 1 2 3 4 6 1 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 6 6 1 2 3 4 6
	[ ] D039 Tetrachloroethylene [ ] D040 Trichloroethylene [ ] D041 2,4,5-Trichlorophenol [ ] D042 2,4,6-Trichlorophenol [ ] D043 Vinyl Chloride	[] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
SECTION II  COLUMN 1: LINE ITEM SEE MANIFEST	SPENT SOLVENT WASTES FOO1 THROUGH FOOS  COLUMN 2: WASTE CODE / CONSTITUENTS  [] FOO1 [] FOO2 [] FOO3 [] FOO4 [] FOO5	COLUMN 3: WASTEWATER/ NON-WASTEWATER [] WW [] Non-WW	COLUMN 4: HANDLING CODE  3 4 5 6
	1. ALL F001-F005	26     26     27   28     29   29   29   29   29   29	5. Pyridine 6. Tetrachloroethylene 7. Toluene 8. 1,1,1-Trichloroethane 9. 1,1,2-Trichloroethane 9. Trichloroethylene 1. 1,1,2-Trichloro 1,2,2-trifluoroethane 9. Trichloromonofluoroemethane 18. Xylene - mixed isomers (sum of o-, m-, and p-xylene)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

TI CUIG JUID

LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1	Manifest No.	
SECTION III.	CALIFORNIA LIST WASTES	·	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3. WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	Hazardous waste containing one or more of the follo	owing [] WW [] Non-WW	1 2 3 4 5 6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to [ ] Liquids with thallium greater than or equal to [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>		
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F03	9, K-, U-, AND P-CODES)	
COLUMN 1:	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/	COLUMN 4:

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUM Wastem Non-Wast	ATER/	HAND	LINC		
	ч	[ ] WW [	] Non-WW	3	4	5	6
		[ ] WW [	] Non-WW	3	4	5	6
		( ) WW (	] Non-WW	3	4	5	6
		[ ] WW [	) Non-WW	3	4	5	6
		[ ] WW [	) Non-WW	3	4	5	6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

SECTION V. CONTACT NAME AND DATE

Print Name: THOMAS J. RYSILWIKZ IND. HEWY GROUP Date: 9-1-99

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can: be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

INDIANA DEPARTMENT OR ENVIRONMENTAL MANAGEMENT OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT P.O. Box 7035

6499 INDUSTRIAL HICHAY GROUP 48 PIAZA DRIVE STITE 106  Generator's Telephone Number (800) 645-8265  Generator's Telephone Number (800) 645-8265  Transporter I Company Name  Class FAID Number  A. J. J. J. J. J. J. J. J. J. J. J. J. J.	PLEASE PRINT OR TYPE	(Form designed,fo	or use on elite (12-pitch) typ	pewriter.) F	orm Approved:`C	OMB No. 2050-0	0039: Expires 9-30
Acceptant Name Addition Address (State Transporter School Name Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (State Address Name Addition Name (Name Address Name Address Name Address Name Address Name (Name Address Name Address Name Address Name Address Name (Name Address Name Address Name Address Name Address Name Address Name (Name Name Address Name Address Name Address Name Address Name (Name Name Address Name Address Name Address Name Address Name (Name Name Address Name Address Name Address Name Address Name (Name Name Address Name Address Name Address Name (Name Name Name Name Name Name (Name Name Name Name Name Name Name Name	WASTE MANIFEST		5. EPA ID Number (4.5) - 0. 8. 8. 8. 9. 9. 2	I Dearmant No.		nformation in the equired by Feder I, I and K are re	e shaded areas is n al Law, but items D, equired by State La
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Generator's Telephone Number (809 645-8265 Transporter I Company Name Lican Have No Linu Services To Linu Se	ALA_PLAZA DELVE_SHITE 10				1NA 13	3965	)
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SPACE ENGINEERS CROVE NUMBER OF COVERY  STRUCTURANT, OH 45232  Q H.D Q.Q & L G. Q & S. L G. G. Z  SIJ3-681-5738/Mc  I. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  FREEC CHLORIDE, AMMYDROUS, 8, UBI773, III  ERG. H.D. Q G. CLORDARE),  RECTOR OF COLORIDE, AMMYDROUS, 8, UBI773, III  ERG. H.D. Q G. CLORDARE),  PRENCE CHLORIDE, AMMYDROUS, 8, UBI773, III  ERG. H.D. Q G. CLORDARE),  PRENCE CHLORIDE, AMMYDROUS, 8, UBI773, III  ERG. H.D. Q G. CLORDARE),  PRENCE CHLORIDE, AMMYDROUS, 8, UBI773, III  ERG. H.D. Q G. CLORDARE),  PRENCE CHLORIDE, AMMYDROUS, 8, UBI773, III  BAZARDOUS WASTE SOLIDS, N.O.S. (LEAD, CRLORDARE),  P. MA3077, III  ERG. H.D. Q G. CLORDARE),  PROCESSING A G. CLORDARE,  Special Handling Instructions and Additional Information  III CHL4172  Doc.  GENERATOR'S CERTIFICATION: I hareby declare that the contents of this consignment are fully and securately described above by proper shipping-name and are classified, packed, market and labeled, and are in all respects in proper condition for transport by highway according to applicable international and escondeniately proceed the practicable method of treatment, storage or disposal currently evalibable to maintenance and control of the degree have determined to be escondeniately proceed the practicable method of treatment, storage or disposal currently evalibable to maintenance and the second processing the second process of the second proce		11					
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RAZARDOUS WASTE SOLIDS, N.O.S. (LRAD; CRICRDANE).  9. RAJO77, III  ERC N.T. 003 0.4 00.1.6.5 G  DOOS:  Additional Descriptions for Materials Listed Above  Additional Descript	I. U.S. DOT Description (Including Proper Ship	oping Name, Hazard	Class, and ID Number)	. 1 1	Total	Unit	Waste No.:
RAZARDOUS WASTE SOLIDS, N.O.S. (LEAD, CRICRDANE).  9. RA3077, III  ERCHITI DOS DAM DOLLOS G. DOGS.  AND DOGS.	FERRIC CHLORIDE, ANHYDRO	DUS. 8.UNI7	73°. III'				چىنى ئارىۋەدە دەر دۇرۇپىيىلىنىدۇرۇپىيىلىنىدۇرۇپىيىلىنىيىلىنىدۇرۇپىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيى ئارىلىق ئارىۋەدە دەر دۇرىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىنىيىلىن
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	ated (Timed Name		Signature	13			Date
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ted/Typed Name Date	Facility Owner or Operator: Certification of rec	eipt of hazardous ma	aterials covered by this ma	nitest (ekcept/as no	ited in Item 19).	·	

EPA Form 8700-22 Previous editions are obsolete State Form 45273 (R / 6-97)

the National Response Center at 800 / 424-8802 or 202 / 426-2675.

In ce and t CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 Manifest No. INA 133410

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA STE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

  Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste DOO1 (other than High TOC Ignitable Liquids), DOO2, DOO3 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States. all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/ disposal in compliance with the alternace debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(1v)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 = The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDR NOTIFICATION FORM.

SECTION I. CH	ARAC	TERIST	IC WASTES DOO1 THROUGH DO43									
COLUMN 1: LINE ITEM SEE MANIFEST			COLUMN 2: WASTE CODE / SUBCATEGORY		COLI WASTI NON-WA	EWA:	rer/				4: CO	
		D001	Ignitables, except High TOC subcategory	{ }	WW	( )	Non-WW	1	2	3	4	6
	[ ]	D001	High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[ ]	Non-WW	on:	ly	1A		3	6	
	[]	D002	Corrosives	[]	WW	[]	Non-WW	1	2	3	4	6
<del></del>	[ ]	D003										
		[ ]	Reactive Sulfide, per 261.23(a)(5)	[ ]	WW	( )	Non-WW	1	3	4	5	6
		[ ]	Reactive Cyanide, per 261.23(a)(5)	{ }	WW	{ }	Non-WW	1	3	4	5	6
		[ ]	Explosive, per 261.23(a)(6), (7) & (8)	[]	WW	( )	Non-WW	1	2	3	4	6
		[ ]	Water Reactive, per 261.23(a)(2), (3) & (4)	[]	Non-WW	on.	ly	1	2	3	4	6
		{ }	Other Reactive, per 261.23(a)(1)	[]	WW	[]	Non-WW	1	2	3	4	6
		[]	Unexploded Ordnance, Emergency Response	()	WW	( )	Non-WW	1	3	4	5	6
	{ }	D004	Arsenic	[]	WW	{ }	Non-WW	1	2	3	4	6
		D005	Barıum	[ ]	WW	[ ]	Non-WW	1	2	3	4	6
	[]	D006										
<u></u>		[]	Cadmium	1 1	WW	( )	Non-WW	1	2	3	4	6
		[]	Cadmium Containing Batteries	Ĺĺ	Non-WW	on.	lγ	2	3	6		
116	( )	D007	Chromium	Ĺĺ	WW		Non-WW	1	2	3	4	6
	<b>X</b> ı	B008		• •	•	1			$\sim$			
		)X	Lead	[]	ww `	Xı.	Non-WW	1	(z)	3	4	6
			Lead Acid Batteries	ij	Non-WW	on.	ly	2	3	6		

p-cresol)

930 ×

SECTION 1. CHARACTERISTIC WASTES DOO1-43 (CONTINUED)

COLUMN 1. INE ITEM LE MANIFEST			COLUMN 2: WASTE CODE / NAME			COLUMN WASTEWAT NON-WASTEW	ER/		LUMN LING		E
	, ,			!'d:							
	( )	D009	Low Margury Long than 260 ()			tru ( )	N 1403	, ,			
		[]	Low Mercury, less than 260 mg/kg	•			Non-WW	1 2		4	
		[]	High Mercury Organic Subcategor			Non-WW onl	-	2 3 2 3			
	[]	D010	High Mercury Inorganic Subcatego Selenium	-	{ } [ ]	Non-WW onl	y Non-WW	2 3		4 (	6
	[ ]	D010	Silver		[]	1 1	Non-WW	1 2			5 5
	ii	D012	Endrin		ij		Non-WW	2 3	4		6
	ii	D013	Lindane		ii	T 7	Non-WW	2 3	-		6
	ίí	D014	Methoxychlor	1	ii	I I	Non-WW	2 3		_	6
	ίj	D015	Toxaphene	i	( )	WW []	Non-WW	2 3	4	5	6
	[]	D016	2,4-D		[ ]	WW [ ]	Non-WW	2 3	4	5 (	6
	[]	D017	2,4,5-TP (Silvex)		1 }	WW [ ]	Non-WW	2 3	4	5 (	6
	[]	D018	Benzene		[ ]	MM PY	Non-WW	1 2	3	4	б
	11	D019	Carbon tetrachloride	į.	[ ]		Non-WW	1 3	, 3	4 :	5
		D020	Chlordane	1	( )	. •	Non-WW	1 (Z	3		5 -
	[]	D021	Chlorobenzene		( )		Non-WW				5
	[]	D022	Chloroform		( )	I I	Non-WW	1 2	3		5
	[]	D023	o-Cresol	4.27		2 2	Non-WW	1 2	3	-	5
	( )	D024	m-Cresol		( )		Non-WW	1 2	3	4 (	_
	[]	D025	p-Cresol				Non-WW	1 2	3		5
	[]	D026	Cresol		[ }		Non-WW	1 2	3		5
	[]	D027 D028	1,4-Dichlorobenzene	(	[ ]		WW-noM	12	3 3		5 5
	[]	D028	1,2-Dichloroethane 1,1-Dichloroethylene		[]		Non-WW	1 2	3		5
	1 1	D030	2,4-Dinitrotoluene	<u>y</u>			Non-WW	1 2	3	-	5
	ίi	D031	Heptachlor (and its epoxide)		íí		Non-WW	1 2	3		5
	ii	D032	Hexachlorobenzene	,	Ĺ	1 1	Non-WW	1 2	3	4 (	5
	ii	D033	Hexachlorobutadiene		íí	1 1	Non-WW	1 2	3	4 (	5
	ii	D034	Hexachloroethane		Ü	WW []:	Non-WW	1 2	3	4 (	5
	ίj	D035	Methyl ethyl ketone		( )	WW []:	Non-WW	1 2	3	4 (	5
	Ü	D036	Nitrobenzene	ĺ	( )	WW []:	Non-WW	1 2	3	4 (	5
	[]	D037	Pentachlorophenol	i	( )	WW [ ]	Non-WW	1 2	3	4 (	5
	( )	D038	Pyridine	(	( )	WW [ ]	Non-WW	1 2	3	4 (	5
	[]	D039	Tetrachloroethylene	1	( )	WW [ ]	Non-WW	1 2	3	4 (	5
	( )	D040	Trichloroethylene	1	[ ]	WW [ ]	Non-WW	1 2	3	4 (	5
	[ ]	D041	2,4,5-Trichlorophenol		( )		Non-WW	1 2	3	-	5
	[ ]	D042	2,4,6-Trichlorophenol		[ ]		Non-WW	1 2	3		5
	[ ]	D043	Vinyl Chloride		( )	WW [ ]	Non-WW	1 2	3	4 (	5
SECTION II.  COLUMN 1: LINE ITEM SEE MANIFEST	SPENT	SOLVE	COLUMN 2: WASTE CODE / CONSTITUENTS	*:		COLUMN WASTEWAT NON-WASTEW	ER/	CO HAND	LUMN LING		E
		5001	( ) 7000 ( ) 7000 ( ) 7000	1 ) 5005		*****		,			
	1 1	F001	[ ] F002 [ ] F003 [ ] F004	[ ] F005	( )	MM []	Non-WW	3	4 9	5 6	
( )	1. AL	L F001	-F005 { } 12.0	Cyclohexanone			[ ]	25. Pyrid	ıne		
	2. Ac	etone	<del></del>	o-Dichlorobenzen				26. Tetra		roeti	nyl <b>e</b> ne
[]		nzene		2-Ethoxyethanol	(FC	005		27. Tolue			
<del></del> !!				nly)			. []	28. 1,1,1		chlo	ro-
[ ]				Ethyl acetate				ethane			
[]				Ethyl benzene			. ( )	29. 1,1,2		culo	ro-
[ ]		lorobe:		Ethyl ether	1		1 1	ethane 30. Trich		o t- b	lane
[]	8. O-1			I <i>sobutyl alcohol</i> Methanol	L			30. Trich 31. 1,1,2		•	
( )				methanoi Methylene chlori	do		,				oethane
		resol)		Methylene Chiori Methyl ethyl ket		•	[ ]	32. Trich			
	-			Methyl isobutyl				methan			
` '	-			Nitrobenzene			[]	33. Xylen		nı xer	l isomers
		resol)		2-Nitropropane (	(FOC	05	,	(Bum o			
				nly)				p-xyle			
			m- and					,	•		

CLEAN	HARBORS	ENVIRONMENTA	AL SERVICES,	INC.	
LAND	DISPOSAL	RESTRICTION	NOTIFICATION	FORM	LDR-1

T ~ 61220101

LAND DISPOSAL	RESTRICTION NOTIFICATION FORM LDR-1 Ma	anıfest No.		1177 1477_
SECTION III.	CALIFORNIA LIST WASTES			
COLUMN 1: INE ITEM JEE MANIFEST	COLUMN 2: 'WASTE CODE / SUBCATEGORY	NC	COLUMN 3: WASTEWATER/ N-WASTEWATER	COLUMN 4: HANDLING CODE
	Hazardous waste containing one or more of the follow California List constituents:	viud [] MM	{ } Non-WW	1 2 3 4 5 6
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 13 [ ] Liquids with thallium greater than or equal to [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>			
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039	, к-, U-, 1	ND P-CODES)	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		COLUMN 3: WASTEWATER/ N-WASTEWATER	COLUMN 4: HANDLING CODE .
	<del> </del>	_ ( ) WK	( ) Non-WW	3 4 5 6
		_ ( ) WH	( ) Non-WW	3 4 5 6
		_ ( ) WW	[ ] Non-WW	3 4 5 6
		_ [ ] WH	[ ] Non-WW	3 4 5 6
		_ [] WH	[ ] Non-WW	3 4 5 6
[ ] CHECK HE	RE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMP RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRE II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPL	ESENT. IDE	NTIFY F039 CONST	NUATION SHEET. CITUENTS BY COMPLETING

Print Name: THOMAS J. RYSICUICZ IND. HELVYGEOUP Date: 9-1-99

# KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm) "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

CLEAN HARBOI	RS E	ENVIRONMENTAL	SERVICES, I	NC.		
LAND DISPOSA	AL R	RESTRICTION NO	TIFICATION	FORM	LDR-1	ADDENDUM

Manifest No.

INA1339455

SECTION 1. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "Underlying Hazardous Constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, fluoride, selenium, sulfides, vanadium and zinc are NOT regulated as UHC's.

[ ] Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste

#### SECTION II. MULTI-SOURCE LEACHATE (WASTE CODE F039)

- [ ] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent Note that constituents which are identified by an asterisk (\*) are NOT regulated as F039 constituents.
- [ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

#### SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

- [ ] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.
- [] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

CFR 268.40 1	s "Not Applicable" , 1.e. D001, D002, a	and D003 (non-cyani	ides subcategories only).
CECTION IN LICE	OF CONCERNMENTS INCLUDE MANIFECT LIN	r treu //	·
SECTION IV. LIST	OF CONSTITUENTS - INCLUDE MANIFEST LIN	<u></u>	
250.	[ ] A2213 (*)	72. D	[ ] Chlordane (alpha and gamma
34.	[] Acenaphthylene	/2· ———	180mers)
35.	[] Acenaphthene	73.	[] p-Chloroaniline
36	[ ] Acetone	74.	[ ] Chlorobenzene
37.	[ ] Acetonitrile	75	[] Chlorobenzilate
38.	[ ] Acetophenone	76.	[] 2-Chloro-1,3-butadiene
	[ ] 2-Acetylaminofluorene	77.	[] Chlorodibromomethane
40.	[] Acrolein	78.	[] Chloroethane
41.	[] Acrylamide (*)	79.	[ ] bis(2-Chloroethoxy)methane
42.	[] Acrylonitrile	80.	[ ] bis(2-Chloroethyl)ether
251.	( ) Aldicarb sulfone (*)	81.	[ ] Chloroform
43.	[ ] Aldrin	82.	[ ] bis(2-Chloroisopropyl)ether
44.	[ ] 4-Aminobiphenyl	83.	[ ] p-Chloro-m-cresol
45.	[] Aniline	84.	[ ] 2-Chloroethyl vinyl ether (*)
46.	[ ] Anthracene	85.	[ ] Chloromethane (Methyl Chloride)
47.	[ ] Antimony	86.	[ ] 2-Chloronaphthalene
3.	[] Aramite	87.	[ ] 2-Chlorophenol
.9.	[ ] Arsenic	88.	[ ] 3-Chloropropylene
	[] alpha-BHC	89.	[ ] Chromium (Total)
51.	[ ] beta-BHC	90.	[ ] Chrysene
52.	[] delta-BHC	91.	[] o-Cresol
53.	[ ] gamma-BHC	92.	[ ] m-Cresol (difficult to
252.	[ ] Barban (*)		distinguish from p-Cresol)
	[] Barium	93	[ ] p-Cresol (difficult to
	[ ] Bendiocarb (*)		distinguish from o-Cresol)
254 .	[ ] Bendiocarb phenol (*)	262	[ ] m-Cumenyl methylcarbamate (*)
	[] Benomyl (*)	94.	[ ] Cyanides (Total)
55.	[ ] Benzene	95.	[ ] Cyanides (Amenable)
	[ ] Benz(a)anthracene	263.	[ ] Cycloate (*)
	[ ] Benzal chloride (*)	96.	[ ] Cyclohexanone
	[ ] Benzo(b)fluoranthene (difficult	97.	[ ] 1,2-Dibromo-3-chloropropane
	to distinguish from	98.	[ ] 1,2-Dibromoethane (Ethylene dibromide)
	Benzo(k) fluoranthene)	99.	[] Dibromomethane
59.	[ ] Benzo(k)fluoranthene (difficult	100.	[ ] 2,4-Dichlorophenoxyacetic acid (2,4-D)
	to distinguish from	101.	[ ] O, p'-DDD
	Benzo(b) fluoranthene)	102.	[ ] p,p'-DDD
60.	[ ] Benzo(g,h,1)perylene	103.	( ) o,p'-DDE
61.	[ ] Benzo(a)pyrene	104	[ ] p,p'-DDE
62.	( ) Berylium	105.	( ) O, p'-DDT
63.	[ ] Bromodichloromethane	106	( ) p,p'-DDT
64.	[ ] Bromomethane (Methyl bromide)	107.	[ ] Dibenz(a,h)anthracene
65.	[ ] 4-Bromophenyl phenyl ether	108	[] Dibenzo(a,e)pyrene
66.	[ ] n-Butyl alcohol	109.	[] m-Dichlorobenzene
256.	[ ] Butylate (*)	110	[] o-Dichlorobenzene
67.	[ ] Butyl benzyl phthalate	111.	[] p-Dichlorobenzene
68.	2-sec-Butyl-4,6-dinitrophenol	112.	[ ] Dichlorodifluoromethane
	(Dinoseb)	113.	[] 1,1-Dichloroethane
69.	[ ] Cadmium	114.	[] 1,2-Dichloroethane
257.	[ ] Carbaryl (*)	115.	[ ] 1,1-Dichloroethylene
258.	[] Carbendazım (*)	116.	[] trans-1,2-Dichloroethylene
259.	[ ] Carbofuran (*)	117.	[ ] 2,4-Dichlorophenol
260.	[ ] Carbofuran phenol (*)	118.	[] 2,6-Dichlorophenol
70.	[ ] Carbon disulfide	119.	[] 1,2-Dichloropropane
71.	[ ] Carbon tetrachloride	120.	[ ] cis-1,3-Dichloropropylene
261.	[ ] Carbon tetrachioride	121	[] trans-1,3-Dichloropropylene
	· ·		age 1 of 3   REVISED 08/24/98]

122.	[ ] Dieldrin	181	[ ] Methyl ethyl ketone
123.	[ ] Diethyl phthalate	`182	[ ] Methyl isobutyl ketone
754.	[ ] Diethylene glycol, dicarbamate (*	) 193	[ ] Methyl methacrylate
·		7 103.	[] Methyl methansulfonate
<u>.</u>		184	•
∠5	[ ] Dimethyl phthalate	185.	[ ] Methyl parathion
126.	[ ] Di-n-butyl phthalate	274.	[] Metolcarb (*)
127	[ ] 1,4-Dinitrobenzene	275.	[ ] Mexacarbate (*)
128.	( ) 4,6-Dinitro-o-cresol	276.	[ ] Molinate (*)
129.	[ ] 2,4-Dinitrophenol	186.	[ ] Naphthalene
130.	[ ] 2,4-Dinitrotoluene	187.	[ ] 2-Naphthylamine
	[] 2,6-Dinitrotoluene	100	[] Nickel
		188.	
132.	[ ] Di-n-octyl phthalate	189.	[ ) o-Nitroaniline (*)
265.	[ ] Dimetilan (*)	190.	[ ] p-Nitroaniline
133.	[ ] p-Dimethylaminoazobenzene (*)	191.	[ ] Nitrobenzene
134.	[ ] Di-n-propylnitrosoamine	192.	[ ] 5-Nitro-o-toluidine
135.	[] 1,4-Dioxane (*)	193.	[ ] o-Nitrophenol (*)
136		194	[] p-Nitrophenol
136.		194.	
	distinguish from	195.	[] N-Nitrosodiethylamine
	diphenylnitrosamine)	196.	[ ] N-Nitrosodimethylamine
137	[ ] Diphenylnitrosamine (difficult to	197.	[ ] N-Nitroso-di-n-butylamıne
<del></del>	distinguish from diphenylamine)	198.	[ ] N-Nitrosomethylethylamine
138.	[ ] 1,2-Diphenylhydrazine	199.	[ ] N-Nitrosomorpholine
130		200	[] N-Nitrosopiperidine
139.	[] Disulfoton	200.	
266.	[ ] Dithiocarbamates (Total) (*)	201.	[ ] N-Nitrosopyrrolidine
140	[ ] Endosulfan I	277	[ ] Oxamyl (*)
141.	[ ] Endosulfan II	202.	[ ] Parathion
142.	[ ] Endosulfan sulfate	203.	[ ] Total PCBs (sum of all PCB isomers,
143.	[] Endrin		or all Arochlors)
144		270	[] Pebulate (*)
144.	[] Endrin aldehyde	278	
267.	[ ] EPTC (*)	204.	[ ] Pentachlorobenzene
145	( ) Ethyl acetate	205.	[ ] PeCDDs (All pentachlorodibenzo-
146.	[ ] Ethyl cyanide (propanenitrile)	, ,	p-dioxins)
147.	[ ] Ethyl benzene	206.	[ ] PeCDFs (All pentachlorodibenzofurans
340		207	[ ] Pentachloroethane (*)
148.	· · · · · · · · · · · · · · · · · · ·	207.	• •
149	[ ] bis(2-Ethylhexyl)phthalate	208.	[ ] Pentachloronitrobenzene
150.	[ ] Ethyl methacrylate	209.	[ ] Pentachlorophenol
151	( ) Ethylene oxide	210	[ ] Phenacetin
152.	[ ] Famphur	211.	[ ] Phenanthrene
153	[] Fluoranthene	3313	[ ] Phenol
153.		212.	[] o-Phenylenediamine (*)
54.	[] Fluorene	279.	
155.	[ ] Fluoride	213.	[] Phorate
268.	[ ] Formetanate hydrochloride (*)	214	[ ] Phthalic acid (*)
269.	[ ] Formparanate (*)	215.	[ ] Phthalic anhydride
156.	[ ] Heptachlor	280.	[ ] Physostigmine (*)
157	[] Heptachlor epoxide	281	[ ] Physostigmine salicylate (*)
157.	•	281.	
158.	[ ] Hexachlorobenzene	282	
159.	[ ] Hexachlorobutadiene	216.	[ ] Pronamide
160	( ) Hexachlorocylopentadiene	283.	[ ] Propham (*)
161.	[ ] HxCDDs (All hexachlorodibenzo-	284.	[ ] Propoxur (*)
	p-dioxins)	285.	[ ] Prosulfocarb (*)
162		217	[ ] Pyrene
162.	[ ] HxCDFs (All hexachlorodibenzo-	217.	<u> </u>
	furans)	218.	[ ] Pyridine
163.	[ ] Hexachloroethane	219	[ ] Safrole
164	[ ] Hexachloropropylene	220	[ ] Selenium
165.	[] Indeno (1,2,3-c,d)pyrene	221.	[] Silver
270.	[] 3-Iodo-2-propynyl	222.	[ ] Silvex (2,4,5-TP)
		222.	[] Sulfide
166	n-butylcarbamate (*)	223.	• •
166	[ ] Iodomethane	224	[ ] 2,4,5-T (2,4,5-Trichlorophenoxyaceti
167	[ ] Isobutyl alcohol		acid)
168	[ ] Isodrin	225.	[ ] 1,2,4,5-Tetrachlorobenzene
271.	[] Isolan (*)	226	[ ] TCDDs (All tetrachlorodibenzo-
169.	[] Isosafrole		p-dioxins)
169.		227	[ ] TCDFs (All tetrachlorodibenzofurans)
111 - 11 by	Kepone	227	
171.	Lead	228.	[] 1,1,1,2-Tetrachloroethane
172.	MercuryNonwastewater from Retor	t 229	[ ] 1,1,2,2-Tetrachloroethane
173.	[ ] MercuryAll others	230.	[ ] Tetrachloroethylene
174	[ ] Methacrylonitrile	231.	[ ] 2,3,4,6-Tetrachlorophenol
	[] Methanol	232	[] Thallium
175.		232.	
176.	[ ] Methapyrilene	286.	[ ] Thiodicarb (*)
272	[ ] Methiocarb (*)	287	<pre>[ ) Thiophanate-methyl (*)</pre>
273	[ ] Methomyl (*)	288.	[ ] Tirpate (*)
177.	[ ] Methoxychlor	233.	[ ] Toluene
178	[] 3-Methylcholanthrene	234	[ ] Toxaphene
178.	1 ) A Market and Control of the cont	234.	
179.	[ ] 4,4-Methylene-bis(2-chloroaniline	289.	[ ] Triallate (*)
180	[ ] Methylene chloride	235.	[ ] Tribromomethane (Bromoform)

		ENTAL SERVICES, INC. ION NOTIFICATION FORM LDR-1	ADDENDUM Mänıf	est No.	INA 133965
236.	[ ]	1.2.4-Trichlorobenzene	244.	( )	1,1,2-Trichloro-1,2,2-trifluoroethand
237.	_ ii	1,1,1-Trichloroethane	290	- ii	Triethylamine (*)
`8.		1,1,2-Trichloroethane	245.	_ ii	tris-(2.3-Dibromopropyl)phosphate
7.		Trichlordethylene	246.	- ii	Vanadium (*)
	_ ()	Trichloromonofluoromethane	291.	()	Vernolate (*)
241.	_ ()	2,4,5-Trichlorophenol	247.	- (j	Vinyl chloride
242.	[]	2,4,6-Trichlorophenol	248.	_ []	Xylenesmixed isomers (sum of o-,
243.	( )	1,2,3-Trichloropropane		_ ,	m-, and p-xylene concentrations)
			249	( )	Zinc (*)

#### KEY TERMS/DEFINITIONS

CONTAMINANTS SUBJECT TO TREATMENT (CSTT) are the specific constituents listed by waste code number in the Treatment Standard Table in \$268.40. CSTT's must be identified for all hazardous debris wastes that are intended for treatment using one of the hazardous debris alternate treatment technologies described in \$268.45.

REASONABLY EXPECTED TO BE PRESENT means that the generator is relying on knowledge of the raw materials used, the process, and potential reaction products, or on the results of a one-time analysis for the entire list of UHC's that may be present in the untreated hazardous waste. If a one-time analysis of the entire list of UHC's is conducted, subsequent analyses are required for only those pollutants which would reasonably be expected to be present in the waste as generated, based on the previous sampling and analysis results.

UNDERLYING HAZARDOUS CONSTITUENT (UHC) means any constituent listed in \$268.48 Table UTS - Universal Treatment Standards (except fluoride, selenium, sulfides, vanadium and zinch which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. [See 40 CFR 268.2]

[REVISED 08/24/98]

In c. Jf a spill, call the Indiana Office of Environmental Response at 317/23-7745 (day or night) and the National Response Center at 1800 / 424-8802 or 202 / 426-2675.

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CINDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT

P.O. Box 7035 Indianapolis, IN 46207-7035	•	4		i			n j
PLEASE PRINT OR TYPE	(Form designed for use	e on elite (12-pitch) type	writer)	Form	Approved OME	3 No. 2050-	0039. Expires 9-30-9
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U.S. EP	[1	Manifest Document N	o. ,	Page 1 Information of 1 H, I is	mation in thi red by Fede and K are re	e shaded areas is not rai Law, but items D, F, equired by State Law.
3. Geografore Merry and Melling Address Av 414 PLAZA DRIVE BUTTE I WESTMONT, IL 60559	ogroup 8xi	19 INDUSTRIAL	H T CHM	VA [	State Manifest I	9221	
4. Generator's Telephone Number (800 )	645-8265	130			State Generator	A 1	1, 14, 10
5. Transporter 1 Company Name  Clean Harbors Enu. Serv	6. U	J.S. EPA ID Number A・D・O・3・9・3・	7.7.2.5	C.	State:Transport	ers ID (i)	W1967410H
7. Transporter 2 Company Name		J.S. EPA ID Number		E.	State Transporte	ers ID. –	there is a series
9. Designated Facility Name and Site Address	<u> </u>	/1° / /° /\* \\* · /* \	• • •		Transporter's Ph State Facility's I		is and son
SPRING GROVE RESOURCE					,,		
CINCINNATI, OH 45232	a   <b>o</b>	H D O O O 8	1.6.6.2		Facility's Phone	5738 <sup>4©</sup>	
11. U.S. DOT Description (Including Proper Shi			12. Conta		13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. EQ, POLYCHLORINATED BIP	HENYLS, 9, UN2	315 III	, 110.	1,750	Quantity	W0 VOI.	
¥ • *	EZG.	24 141	0.1.2	DW.	0.0.6.6	) G-	CLASS A
COMBUSTIBLE LIQUID, N.O.	.s. (dirsel pu	EL, MOTOR OIL					
*COMBUSTIBLE LIQUID, NA	E-1	Q4-H128	50.1	DW	000.3	5 6-	CLASS A
NON DOT REGULATED MATER HAZARDOUS, NOME, NOME	IAL (OILY SOIL	), MON DOT					alast H
The state of the s			0.0.7	114	00.3.85	5 G-	NON E
NON DOZ regulated oil,	non dot HAZARD	OUS, NON				- J	atricalicaten Class a
J. Additional Descriptions for Materials Listed Ab	ove	the section of the section of	Nort		Iling Codes for W	/astes Liste	Above.
116 CH144199 /x 55	the waste at the tac		छि एइक्स	red P.	Parke idano	; 30° s	
15 Special Handling Instructions and Additional	Information	<u>, , , , , , , , , , , , , , , , , , , </u>	·	·			
W - ,				WO#	NB19317	į.	
·	,						
<ol> <li>GENERATOR'S CERTIFICATION: I hereby name and are classified, packed, marked international and national government reg</li> </ol>	and labeled, and are in a						
If I am a large quantity generator, I certify determined to be economically practicable which minimizes the present and future the effort to minimize my waste generation an	e and that I have selected reat to human health and and select the best waste i	d the practicable meth d the environment; Of management method	nod of treatm R, if I am a s	nent, sto mall qu	orage or dispos antity generator	al currently r, I have ma	available to me
THOMAS J RYSIEW	HEL UP FOR 65 OC IC T BROUP	Signature	1 Rg 11	wi	4-)	ļ^	Date Day Year
7: Transporter 1 - Acknowledgement of Receipt	of Matenals	Signature	9				Date
Robert A. Schul	- Materials	Robert	TA.	Pat	rul_	<u> </u>	Onth Day Xear
8. Transporter 2 - Acknowledgement of Receipt Printed Typed Name	Of Materials	Signature					Date   Year
9 Discrepancy Indication Space		WA 1	station 1	,			
19. Discrepancy Indication Space	·		- Port a serie Pale	•		• •	( 5 0 7 7
nd y dec							
O. Facility Owner or Operator: Certification of re	ceipt of hazardous materia	als covered by this mani Signature	ifest (except a	s noted	in Item 19).		Date

EPA Form 8700-22 Previous editions are obsolete State Form 45273 (R / 6-97)

# TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: TNA 135720 GENERATOR NAME:	6500 Draws Line Cay
ADDRESS:	13/19 Industrial in
	FARY TRO YENCE
EPA ID NUMBER:	IND CAU 288.267

N I M T 8 E E M R	Type/ Description	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)
11a 1	Produporums (IV)	10901491		K
110 2	PCB cal in Acums (1V)	0901 992		:_(
119 3	Tos in I reduce (ii)	0901993		1
lla j	Ti Bent mideam (iV)	0901974		X
11.3 =	Pascil in drum (1V)	0901995		*
1121 6-	TOP all in Drum 1.1.	090199/2		<del>\tilde{\</del>
111/5	Pefall in dium (IV)	0901997		1/
lia S	Present in draw (iv)	0901998		<u> </u>
114 9	PCB oil in diamiday	0901999	<del></del>	7
14/10	Pos oil in Brum (iv)	790104m)		7
19 11	6:6 al in Drum (V)	C.9019911		<del></del>
10/12		090197/2		$\frac{1}{2}$
11/1/1/	- 12 h or in franciste	(1/1/2		
				<del>-</del>
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# **NOTES**

- 1. Type/Description: Brief description of the unit such as:
  - (i) Transformer ( > 500 ppm or < 500 ppm) (ii) Capacitor (iii) Bulk Liquid/Solid (tanker or rolloff)
  - (Iv) PCB Container A container in direct contact w/ PCBs, such as a drum containing PCB spill debris
  - (v) PCB Article Container A container not in direct contact w/ PCBs, such as a drum containing one or more non-leaking motors, light ballasts, etc.
- 2. Serial No. or Other ID No.: Serial Number must be reported if one is present; if not, assign a unique number.
- 3. Date Removed From Service For Disposal: The date when the item was taken out of service for disposal. If mo than one item (batch) is present in the container (tank), the reported date for the entire container (tank) m be the first (i.e., the earliest) date.
- 4. Weight: Volume may be reported in gallons; however, the weight in kilograms is preferred.



# MASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

	DO	NOT \	WRITE	IN THIS	ĈĒ
ATT.		DIS	S. 🗆	REJ.	P

Required under authority of Part 111 and Part 121 of Act 481, 1994, as amended.

Fallure to tile may subject found criminal and/or civil penalties under Section 324.11161 or 324.12116 NCL.

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# LAND DISPOSAL RESTRICTION & CERTIFICATION FORM 6/98

Please check the facility you are shipping to:

Michigan Disposal Waste Treatment
Plant

(Stabilization and Treatment) 49350 N. I-94 Service Drive Belleville, MI 48111 EPA ID # MID 000 724 831 ☐ Wayne Disposal, Inc.
Subtitle C Landfill
(Secure Hazardous Waste Landfill)
49350 N. 1-94 Service Drive
Belleville, MI 48111
EPA ID # MID 048 090 633

Michigan Recovery Systems, Inc.
(Solvent Recycling, Fuel Blending & Wastewater Treatment)
36345 Van Born Road
Romulus, MI 48174
EPA ID # MID 060 975 844

Generator Name

6500 INDUSTRIAL HWY GROUP

Generator USEPA ID No.

IND040888992

Generator Address

6499 INDUSTRIAL HWY, GARY, IN 46406

State Manifest No.

M17915333

Manifest Doc. No.

15333

# INSTRUCTIONS

- In Column 1 identify all USEPA hazardous waste codes that apply to this waste shipment.
- In Column 2, choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
- In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49(c) (soil) or 268.45 (debris).
- In Column 4, circle the letter of the appropriate paragraph from Pages 1-2 of this form.
- In Column 5, for F001-F005, F039, D001-D043, Debris & Contaminated Soil wastes, enter the Reference Number(s) from the EQ Resource Guide--LDR/UHC Constituent Table for any constituents subject to treatment in your waste stream.

Manifest	Ι	2.	3.	4.	5. REFERENCE NUMBER(S)
Line Item	USEPA	NWW	SUBCATEGORY	HOW MUST THE	of Hazardous Constituents
Ħ	HAZARDOUS	or	,	WASTE BE	contained in the waste.
	WASTE	ww		MANAGED?	Complete for F001-F005, F039,
	CODE(S)			(Circle one)	D001-D043, Soil & Debris wastes.
11.A	D040	⊠nww □ww	N/A	A	204
11.B	i	□nww □ww		i	
11.C		□nww □ww			
11.D		□ww □ww			

I hereby certify that	all information submitted on this and all asso	ociated documents	is complete and accurate to the bes	t of my
knowledge and infor			A6007 FOR 6500 I	JOUSTRIA
Generator Signature	Them Relein	Title	HIGHWAY GROUP	<del></del>
Printed Name	THOMAS RYSIGNICZ	Date	9-14-99	····

#### HOW MUST THE WASTE BE MANAGED?

For S, circle the appropriate response for the 3 italicized options:

S. THIS CONTAMINATED SOIL DOES/DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES/DOES NOT EXHIBIT A (CIRCLE ONE)

CHARACTERISTIC OF HAZARDOUS WASTE AND IS SUBJECT TO / COMPLIES WITH THE SOIL TREATMENT STANDARDS (CIRCLE ONE)

AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

m designed for use on elite (12-pitch) typewriter) EPA Form 8700-22 (Sev. 6-89) Form Approved OMB No. 2050-0039

<u></u>	EASE ITTE (Form designed for use on elite (12-pitch) typewriter)	EPA Form 8700-22 (3)	ev. 6-89)		Form App	roved OM	B No 205	50-0039	
4	UNIFORM HAZARDOUS 1. Generator's US E WASTE MANIFEST T N D 0 4 0		Manifest current No のろの	2.1	Page 1 of <b>1</b>		d by Fede	he shaded areas is not oral law, but is required by	
		If Different	<del></del>	A. III	inols Ma	anifest D	ocumen	t Number	
	Suite 106 Westmont, II. 60559 Gary 4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 5. Transporter 1 Company Name 6.	Industrial High , IN 46406	way	IL 8494038 FEE PAID					
Ш	4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS.	00-645-8265		ID Number					
Ш	5. Transporter 1 Company Name 6.	US EPA ID Number			Numb		the shirt sale was		
П		LD 067 138891					ne (20)	5)7 <i>44-8440</i>	
$\  \ $	7. Transporter 2 Company Name 8.	US EPA ID Number		j 10	) Numb	ers <sup>ore</sup> er	-1 75	ا منافعة المنافعة المنافعة والمنافعة المنافعة المنافعة المنافعة المنافعة المنافعة المنافعة المنافعة المنافعة الم	
Ш	9. Designated Facility Name and Site Address 10.	US EPA ID Number					ne (AX	的学习调整高高	
IJ	Clean Harbors Services Inc	•		.G. Fa	acility's Number	IL 0 3	် <b>1</b> ်ု6်	0 0 0 0 5 1	
П	11800 South Stony Island Ave Chicago, IL 60617	LD000608	471	H. F	cility's	Phone (	773) (	546-6202	
	11. US DOT Description (Including Proper Shipping Name, Hazard Cla		12. Conta			13	14.		
			No.	Туре		otal antity	Unit Wt/Vo	Wasie Mo.	
G	a. HAZARDOUS WASTE SOLID, N.O.S. (METHYL	ENE CHLOKIDE,						FIG 0 1	
N	N-BUTANOL), 9, NA3077, III		00.1	CM		.12		カイントラーの大学の大学	
Ε	b.		0.0 .				+-	EPA HW Number	
R	<b>,</b> .								
A	,				1 1	1 1			
0	C.						-	EPA HW Number	
R	,	٠.							
		· \		·			┼	EPA HW Number	
	d. "á	961 81 20							
		- '					]		
	J. Additional Description for Materials Listed Above 19		李 增加。	K. Ha	ndling (	odes for	Waste	s Listed Above	
	11a CH144191B F002 F003 F005 D006 D	<b>307</b>		e in	ltem #1				
					7.2	0	માર્જ કુલ કુલ જો		
l				A CALLERY	estation in	١٠٠	21C	YARDS	
I	15. Special Handling Instructions and Additional Information		<b>でできてきる。</b>	Kalifornia.	ratedo, etal	कर् <u>भद्रश्रीतेल</u>	19 203 M()	ND100034	
l	· · · · · · · · · · · · · · · · · · ·	1-111					MOH	NB198824	
	ROLLOFF BOX NO. 8361	13464							
						····			
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of proper shipping name and are classified, packed, marked, and labeled,	and are in all respects in prope					,		
	according to applicable international and national government regulation  If I am a large quantity generator, I certify that I have a program in pla		ovicity of w	asta na	no.atad	to the de	oree I h	ave determined to	
İ	be economically practicable and that I have selected the practicable me and future threat to human health and the environment; OR, if I am a si	ethod of treatment, storage, or	disposal cui	rrently a	available	to me wi	nich min	imizes the present	
	select the best waste management method that is available to me and t	that I can afford.	made a go	ou iaiui	enon to	***************************************	illy was	Date	
١,	Printed/Typed Name ( (500 Fudvst-112)	Signature -						Month Day Year	
<u> </u>	DAXID Kyles Agenton Ashury Group	Didley	2	<u> </u>				101131919	
T R	17. Transporter 1 Acknowledgement of Receipt of Materials	<u> </u>				,		Date	
TRANSPORTER	Printed/Typed Name	Signature	7					Month Day Year	
P	18. Transporter 2 Arknowledgement of Receipt of Materials	way new	<del></del>					1 0 1 3 9 9 Date	
Ř	Printed/Typed Name	Signature				···		Month Day Year	
R							i		
	19. Discrepancy Indication Space 7 900019999	1-2104			•			,	
F	<b>V</b>								
A C									
	20. Facility Owner or Operator: Certification of receipt of hazardous ma	terials covered by this man	est except	as note	ed in ite	m 19		Date	
Y	Printed/Typed Name	Signature	o. o.copt		//	-/		Month Day Year	
_	LESSE Schausic	1 Chuns	<u>,                                     </u>	D	ruu	1_	1	10/1399	
T	his Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter is information may result in a civil penalty against the owner or operator not to ex	r 111 1/2, Section 1804 and 102 ceed \$25,000 per day of violation	that this i	informatio	n be sul	omitted to	the Agen	cy. Failure to provide	
P	or day of violation and imprisonment up to 5 years. This form has been approved by the Forms Ma	anagement Center.		- 22		,			

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WAST CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER TH LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EP. WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TORMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

  Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also chec applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LOR Handling Code: Circle the appropriate handling code, as follows:
  - 1 The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended fo treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater tha or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) o combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D00 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 whic is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA syste located in the United States. All UHC's which are reasonably expected to be present must be identified except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach complete Addendum to this form.
  - 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, o: P-code) hazardous waste which i intended for export and treatment/disposal at a facility located outside the United States. LDR treatmen standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, th identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported Note however that if the exported waste is subsequently returned for treatment/disposal in the United States all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance wit the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) \*This hazardous debris is subject to the alternativ treatment standards of 40 CFR 268.45°; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-Addendum and attach completed Addendum to this form.
  - 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnanc subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardou waste. UHC's are NOT required to be identified.
  - 6 The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standar under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete an attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 26 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106 P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS I USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LD NOTIFICATION FORM.

SECTION I.	CHARAC	TERIST	TC WASTES DOUT THROUGH DU43.								
COLUMN 1:			COLUMN 2:			COLUMN 3:		COL	UMN	4:	
LINE ITEM			WASTE CODE / SUBCATEGORY			WASTEWATER/				CO	
SEE MANIFEST			り、気性			NON-WASTEWATER					
	[]	D001	Ignitables, except High TOC subcategory	(	1	WW [] Non-WW	1	2	3	4	6
	1 1	D001		, [	1	Non-WW only	1A		3	6	
<del></del>			(Greater than or equal to 10% TOCH	Ċ		•					
•	f 1	D002		20	1	WW [] Non-WW	1	2	3	4	6
	ii	D003	C. 3	(D)					_	_	_
	• •	[-] -	Reactive Sulfide, per 261.23(a)(5)	با ۲۰	}	ww [] Non-ww	1	3	4	5	6
		ίi	Reactive Cyanide, per 261.23(a)(5)	7.70	į	WW [] Non-WW	1	3	4	5	6
		Ĺĺ	Explosive, per 261.23(a)(6); (7) & (8)	浸む	]	WW [ ] Non-WW	1	2	3	4	6
		ίì	Water Reactive, per 261.23(a)(2), (3) &, (4)	) "(	]	Non-WW only	1	2	3	4	6
		ίi	Other Reactive, per 261.23(a)(1)	(	]	WW [] Non-WW	1	2	3	4	6
		ii	Unexploded Ordnance, Emergency Response	1	]	WW [] Non-WW	1	3	4	5	6
	[ ]	D004	Arsenic	1	1	WW [] Non-WW	1	2	3	4	6
	į į	D005	Barium	1	]	WW [] Non-WW	1	2	3	4	6
11/4-	DJ.	D006	•				>#	7			
	, · •	(X)	Cadmium	(	J	WW (\) Non-WW		7	3	4	6
1		[]	Cadmium Containing Batteries	(	1	Non-WW only	Ħ	A	6		
11 1-	ы	D007	Chromium	ί	1	WW Non-WW	XÓ	(2)	3	4	6
	4 î	D008				/`	*	<b>\</b>			
		[]	Lead	ι	}	WW [] Non-WW	ī	2	3	4	6
		fi	Lead Aci; Batteries	[	1	Non-WW only	2	3	6		

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[] D009 [] Low Mercury, less than 260 mg/kg Mercury [] High Mercury Organic Subcategory [] D010 Selenium [] D011 Silver [] D012 Endrin [] D013 Lindane [] D014 Methoxychlor [] D015 Toxaphene [] D016 2,4-D [] D017 2,4,5-TP (Silvex) [] D018 Benzene [] D019 Carbon tetrachloride [] D020 Chlordane [] D021 Chlorobenzene [] D022 Chloroform [] D023 o-Cresol [] D024 m-Cresol [] D025 p-Cresol [] D026 Czesol [] D027 1,4-Dichlorobenzene [] D028 1,2-Dichloroethane [] D029 1,1-Dichloroethylene [] D030 2,4-Dinitrotoluene [] D031 Heptachlor (and its epoxide) [] D032 Hexachlorobenzene [] D033 Hexachlorobenzene [] D034 Hexachlorobenzene [] D035 Methyl ethyl ketone [] D036 Nitrobenzene [] D037 Pentachlorophenol [] D038 Pyridine [] D039 Tetrachloroethylene [] D030 Tirchloroethylene [] D031 Tetrachlorophenol [] D032 Tirchloroethylene [] D033 Tetrachlorophenol [] D044 Z,4,5-Trichlorophenol [] D045 Z,4,6-Trichlorophenol [] D047 Lynyl Chloride	[] WW [] Non-WW [] Non-ww only [] Non-ww only [] WW [] Non-WW	1 2 3 4 6 1 2 3 4 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST  [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 6  [ ] 7  [ ] 8  [ ] 9	. Acetone [ ] 13. o-Dichlorobenz . Benzene [ ] 14. 2-Ethoxyethano . n-Butyl alcohol only) . Carbon disulfide [ ] 15. Ethyl acetate . Carbon tetrachloride [ ] 16. Ethyl benzene . Chlorobenzene [ ] 17. Ethyl ether	ene [ ] 26. 1 (F005	COLUMN 4: HANDLING CODE  3 4 5 6  Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isome (sum of o-, m-, and p-xylene)

	ENVIRONMENTAL SERVICES, INC. RESTRICTION NOTIFICATION FORM LDR-1 Ma	anifest No.	
SECTION III.	CALIFORNIA LIST WASTES		
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER	
	Hazardous waste containing one or more of the follow California list constituents:	wing [ ] WW	6
	<ul> <li>ALL CALIFORNIA LIST CONSTITUENTS</li> <li>Liquids with nickel greater than or equal to 13</li> <li>Liquids with thallium greater than or equal to</li> <li>Liquids with PCB's &gt; or = 50 ppm</li> <li>Waste containing HOC's &gt; or = 1,000 mg/kg</li> </ul>		
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039	), K-, U-, AND P-CODES)	
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER	
···		_ [] WW [] Non-WW 3 4 5 6	
		_ [] WW [] Non-WW 3 4 5 6	
		_ [] WW [] Non-WW 3 4 5 6	
<del></del>		[] WW [] Non-WW 3 4 5 6	
<del></del>		[] WW [] Non-WW 3 4 5 6	

# [ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.

SECTION V. CONTACT NAME AND DATE

Print Name:	 	 Date:	

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technolog that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

<sup>[ ]</sup> CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

anı	fest	No	1

#### SECTION I. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

- [1- Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "Underlying Hazardous Constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, fluoride, selenium, sulfides, vanadium and zinc are NOT regulated as UHC's.
- [ ] Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste.

#### SECTION II. MULTI-SOURCE LEACHATE (WASTE CODE F039)

- [] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent. Note that constituents which are identified by an asterisk (\*) are NOT regulated as F039 constituents.
- [ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

#### SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

- [ ] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.
- [ ] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

SECT	ON IV. LIST OF CONSTITUENTS - INCLUDE MANIFEST LI	NE ITEM		
34.	[ ] Acenaphthylene	72.	[	l Chlordane (alpha and gamma
35.	[ ] Acenaphthene			isomers)
36.	[ ] Acetone	73.	. [ ]	p-Chloroaniline
37.	[ ] Acetonitrile	74.	_ :	•
38.	[ ] Acetophenone	.75.	— ; ;	
39.	[ ] 2-Acetylaminofluorene	76.		
40.	[] Acrolein	77.	_ :	· · · · · · · · · · · · · · · · · · ·
41.	[] Acrylamide (*)	78.		
42.	[] Acrylonitrile	79.	_ :	
251.	[] Aldicarb sulfone (*)	80.		• • • • • • • • • • • • • • • • • • • •
43.	[] Aldrin	81.	_ ;;	
44.	[] 4-Aminobiphenyl	82.		
45.	[] Aniline	83.		
46.	[] Anthracene	84.	: : :	<del>-</del>
47.	[] Antimony	85.	<b>-</b> []	• · · · · · · · · · · · · · · · · · · ·
48.	[] Aramite	86.	[]	
49.	[] Arsenic	87	_ [ ]	
50.	[] alpha-BHC	88.	_ [ ]	• • •
51.	[] beta-BHC	89.	_ []	
52.	{ ] delta-BHC	90.	[]	
53.	{ ] gamma-BHC	91	_ []	
252,	{ } Barban (*)	92.	[]	m-Cresol (difficult to
54.	[ ] Barıum			distinguish from p-Cresol)
253.	[] Bendiocarb (*)	93.	()	F ( 00
255.	[ ] Benomyl (*)			distinguish from o-Cresol)
55.	[] Benzene	262.	()	• • • • • • • • • • • • • • • • • • •
56.	[ ] Benz(a)anthracene	94.	[]	Cyanides (Total)
57.	[ ] Benzal chloride (*)	95.	()	Cyanıdes (Amenable)
58.	[ ] Benzo(b)fluoranthene (difficult	263	()	Cycloate (*)
	to distinguish from	96.	[]	Cyclohexanone
	Benzo(k)fluoranthene)	97.	[]	1,2-Dibromo-3-chloropropane
59.	[ ] Benzo(k)fluoranthene (difficult	98.	[]	1,2-Dibromoethane (Ethylene dibromid
	to distinguish from	99.	_ []	
	Benzo(b) fluoranthene)	100.	_ []	2,4-Dichlorophenoxyacetic acid (2,4-
60.	[ ] Benzo(q,h,1)perylene	101.	()	
61.	[ ] Benzo(a)pyrene	102.		· -
62.	[] Berylium	103.	_ ii	
63.	[ ] Bromodichloromethane	104.	ii	
64.	[ ] Bromomethane (Methyl bromide)	105.	_ ii	• • •
65.	[ ] 4-Bromophenyl phenyl ether	106.	i i	· -
66.	[] n-Butyl alcohol	107.	ii –	
256	[] Butylate (*)	108.	_ ii	
67.	[ ] Butyl benzyl phthalate	109.	_ ii	
68.	[ ] 2-sec-Butyl-4,6-dinitrophenol	110	_ ;;	
	(Dinoseb)	110.		
69.	[ ] Cadmium	111	_ ;	•
257	[] Cadmidm [] [] Carbaryl (*)	112.	_ []	
	<del></del>	113	_ []	•
		114.	[ ]	· ·
259.		115	_ []	
	[ ] Carbofuran phenol (*)	116.	_ []	
70.	[] Carbon disulfide	117.	_ []	•
71.	[] Carbon tetrachloride	118.	_ []	•
261.	[] Carbosulfan (*)	119.	_ []	• •
	me starts.	120.	_ []	cis-1,3-Dichloropropylene

[] trans-1,3-Dichloropropylene

122	[] Dieldrin	181	[ ] Methyl ethyl ketone
122.	- · · · · · · · · · · · · · · · · · · ·	102	· · · · · · · · · · · · · · · · · · ·
123.	[ ] Diethyl phthalate	182.	[ ] Methyl isobutyl ketone
124.	[ ] 2,4-Dimethyl phenol	183.	[ ] Methyl methacrylate
125.	[ ] Dimethyl phthalate	184.	[ ] Methyl methansulfonate
126	[ ] Di-n-butyl phthalate	185.	[ ] Methyl parathion
126.		203.	
127.	[ ] 1,4-Dinitrobenzene	274.	[ ] Metolcarb (*)
128	[ ] 4,6-Dinitro-o-cresol	275.	[ ] Mexacarbate (*)
129.	[ ] 2,4-Dinitrophenol	276.	[] Molinate (*)
		186	[] Naphthalene
130		186.	· ·
131	[ ] 2,6-Dinitrotoluene	187.	[ ] 2-Naphthylamine
132.	[ ] Di-n-octyl phthalate	188.	[ ] Nickel
122	[ ] p-Dimethylaminoazobenzene (*)	189.	[] o-Nitroaniline (*)
133.		105.	
134	[ ] Di-n-propylnitrosoamine	190.	[ ] p-Nitroanılıne
135.	[ ] 1,4-Dioxane (*)	191.	[ ] Nitrobenzene
126	[ ] Diphenylamine (difficult to	192.	[] 5-Nitro-o-toluidine
136	• • •	103	* *
	distinguish from	193	[] o-Nitrophenol (*)
	diphenylnitrosamine)	194.	[ ] p-Nitrophenol
137	[ ] Diphenylnitrosamine (difficult to	195	[ ] N-Nitrosodiethylamine
	distinguish from diphenylamine)	196.	[ ] N-Nitrosodimethylamine
		100	
138	[ ] 1,2-Diphenylhydrazıne	197.	[ ] N-Nitroso-di-n-butylamine
139.	[ ] Disulfoton	198.	[ ] N-Nitrosomethylethylamıne
266	[ ] Dithiocarbamates (Total) (*)	199.	[] N-Nitrosomorpholine
266		200	[] N-Nitrosopiperidine
140		200.	
141	[ ] Endosulfan II	201	( ) N-Nitrosopyrrolidine
142.	[ ] Endosulfan sulfate	277	[ ] Oxamyl (*)
143	[ ] Endrin	202.	[ ] Parathion
143.		203	
144.	[ ] Endrin aldehyde	203.	[ ] Total PCBs (sum of all PCB isomers,
267.	[ } EPTC (*)		or all Arochlors)
145	[ ] Ethyl acetate	278	[ ] Pebulate (*)
145.	· · · · · · · · · · · · · · · · · ·	304	[] Pentachlorobenzene
146	[ ] Ethyl cyanide (propanenitrile)	204.	
147	[ ] Ethyl benzene	205	[ ] PeCDDs (All pentachlorodibenzo-
148.	[ ] Ethyl ether		p-dioxins)
140		206	[ ] PeCDFs (All pentachlorodibenzofurar
149		200.	<del>_</del>
150	[ ] Ethyl methacrylate	207.	<pre>[ ] Pentachloroethane (*)</pre>
151.	[ ] Ethylene oxide	208	[ ] Pentachloronitrobenzene
153	[] Famphur	209.	[ ] Pentachlorophenol
152.		310	[] Phenacetin
153	• • • • •	210.	
154.	[ ] Fluorene	211	[ ] Phenanthrene
155.	[ ] Fluoride	212	[ ] Phenol
360	[ ] Formetanate hydrochloride (*)	213.	[ ] Phorate
268		214	
156	[] Heptachlor	214.	[ ] Phthalic acid (*)
157.	[ ] Heptachlor epoxide	215.	[ ] Phthalic anhydride
150	[ ] Hexachlorobenzene	280.	[ ] Physostigmine (*)
158.		201	
159.		281.	[ ] Physostigmine salicylate (*)
160	[ ] Hexachlorocylopentadiene	282	[ ] Promecarb (*)
161.	[ ] HxCDDs (All hexachlorodibenzo-	216	[ ] Pronamide
	p-dioxins)	283.	[ ] Propham (*)
		204	<del>-</del>
162.	[ ] HxCDFs (All hexachlorodibenzo-	284	[] Propoxur (*)
	furans)	285	[ ] Prosulfocarb (*)
163.	[ ] Hexachloroethane	217.	[ ] Pyrene
		219	[ ] Pyridine
164.	[ ] Hexachloropropylene	218.	
165	[ ] Indeno (1,2,3-c,d)pyrene	219.	[] Safrole
270.	[ ] 3-Iodo-2-propynyl	220	[ ] Selenium
<del></del>	n-butylcarbamate (*)	221.	[] Silver
166		222	[] Silvex (2,4,5-TP)
166	[] Iodomethane	222.	
167	[ ] Isobutyl alcohol	223	[ ] Sulfide
168.	[ ] Isodrin	224.	[ ] 2,4,5-T (2,4,5-Trichlorophenoxyacet
169	[] Isosafrole	<del></del>	acid)
169	• •	225	
170	[ ] Kepone	225.	[] 1,2,4,5-Tetrachlorobenzene
171.	[] Lead	226	[ ] TCDDs (All tetrachlorodibenzo-
172.	[ ] MercuryNonwastewater from Retor	<u> </u>	p-dioxins)
172	[ ] MercuryAll others	227.	[ ] TCDFs (All tetrachlorodibenzofurans
173.		220	
174.	[ ] Methacrylonitrile	228.	[ ] 1,1,1,2-Tetrachloroethane
175.	[] Methanol	229	[ ] 1,1,2,2-Tetrachloroethane
176	[] Methapyrilene	230.	[ ] Tetrachloroethylene
176.		221	
272.	[ ] Methiocarb (*)	231.	[ ] 2,3,4,6-Tetrachlorophenol
273.	[ ] Methomyl (*)	232	[ ] Thallium
177.	[ ] Methoxychlor	286.	[ ] Thiodicarb (*)
179	[ ] 3-Methylcholanthrene	287.	[] Thiophanate-methyl (*)
178.	[ ] 3-Methylenotalititene	237	•
	[ ] 4,4-Methylene-bis(2-chloroaniline)	233.	[] Toluene
180.	Methylene chloride	234.	[ ] Toxaphene
	1~	289	[ ] Triallate (*)
	•	235.	[] Tribromomethane (Bromoform)

CLEAN HARBORS	ENVIRONM	ENTAL SERVICES, INC.			-ī ı
LAROTRIC DISPOSAL	RESTRICT	ION NOTIFICATION FORM LDR-1	ADDENDUM Manifes	st No.	
236.	_ (1	1,2,4-Trichlorobenzene	244	[ ]	1,1,2-Trichloro-1,2,2-trifluoroethane
237.	[ ()	1,1,1-Trichloroethane	290	[ ]	Triethylamine (*)
238	[ [ ]	1,1,2-Trichloroethane	245.	[ ]	tris-(2,3-Dibromopropyl)phosphate
239.	[ []	Trichloroethylene	246		Vanadium (*)
240.	[ ]	Trichloromonofluoromethane	291	[]	Vernolate (*)
241.	[ [ ]	2,4,5-Trichlorophenol	247.	[]	Vinyl chloride
242.		2 4,6-Trichlorophenol	248	[ ]	Xylenesmixed isomers (sum of o-,
243.	Ţ rj	1,2,3-Trichloropropane		-	m-, and p-xylene concentrations)
	_		249	[]	Zinc (*)

#### KEY TERMS/DEFINITIONS

CONTAMINANTS SUBJECT TO TREATMENT (CSTT) are the specific constituents listed by waste code number in the Treatment Standard Table in §268.40. CSTT's must be identified for all hazardous debris wastes that are intended for treatment using one of the hazardous debris alternate treatment technologies described in §268.45.

REASONABLY EXPECTED TO BE PRESENT means that the generator is relying on knowledge of the raw materials used, the process, and potential reaction products, or on the results of a one-time analysis for the entire list of UHC's that may be present in the untreated hazardous waste. If a one-time analysis of the entire list of UHC's is conducted, subsequent analyses are required for only those pollutants which would reasonably be expected to be present in the waste as generated, based on the previous sampling and analysis results.

UNDERLYING HAZARDOUS CONSTITUENT (UHC) means any constituent listed in \$268.48 Table UTS - Universal Treatment Standards (except fluoride, selenium, sulfides, vanadium and zinc) which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. [See 40 CFR 268.2]

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0 C.

d.

FOR SHIPMENT OF HAZARDOUS SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 P.O. BOX 19276 AND SPECIAL WASTE State Form LPC 62 8/81 IL532-0610 PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039 Manifest Information in the shaded areas is not required by Federal law, but is required by Illinois law. **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. Document No. WASTE MANIFEST 0 A A Illinois Manifest Document Number Location If Different 3. General Theory of the State IL 8494037 FEE PAID 414 Plaza Drive Generators II Suite 106 6499 Industrial Highway Westmont, IL 60559 Gary, IN 46406
24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 Westmont, C. Transporter's 5. Transporter 1 Company Name **US EPA ID Number** D. Transporter's Phone ( ) 4 3887 KOBB18 E Transporter's US EPA ID Number 7. Transporter 2 Company Name 8. F Transporter's Phone (1577) 9. Designated Facility Name and Site Address US EPA ID Number 10. G. Facility's JL 10 Number 10 13 11 6 0 0 0 0 5 Clean Harbors Services Inc H. Facility's Phone ( 11800 South Stony Island Ave
Chicago, II, 60617

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 646-6202 12. Containers Unit Total Type Quantity Wt/Vol HAZARDOUS WASTE SOLID, N.O.S. (METHYLENE CHLORIDE, N-BUTANOL), 9, NA3077, III CM The sales of EPA HW Number in things EPA HW Number  $D^{\circ}$ 

J. Additional Description for Materials Listed Above K Handling Codes for Wastes Listed Above In Item #14 11a CH144191B 🚈 F002, F003, F005, D006, D007 **建物学 网络加州州东** CUBIC YARDS

15. Special Handling Instructions and Additional Information

wo# NB198824

Year

ROLL OFF BOX NO. 744/2155

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Date Month Day Year 1021 GEOUP. 17. Transporter 1 Acknowledgement of Receipt of Materials Date rinted/Typed Name Month Day ANSPORTER 0/2/ 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Year Printed/Typed Name Signature 19. Discrepancy Indication Space

Printed/Typed Name

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted

Date Signature Day

This Agency is authorized to require, pursuant to tilinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 16011 that this information be inhinited to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management center.

Mailfest No. IL 3194037

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WAST CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHÍBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER TH LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EP, WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.

Column 1 - Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).

Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.

Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.

Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

- 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended fo treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
- 1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater tha or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) o. combustion (CMBST) technology. UHC's are NOT required to be identified.
- 2 The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D00 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach complete Addendum to this form.
- 3 The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which i intended for export and treatment/disposal at a facility located outside the United States. LDR treatmen standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported Note however that if the exported waste is subsequently returned for treatment/disposal in the United States all applicable LDR regulations would apply and a revised LDR notification would be required.
- 4 The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance wit the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternativ treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's b; completing Sections III and IV of CHI Form LDR-Addendum and attach completed Addendum to this form.
- 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnanc subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardou waste. UHC's are NOT required to be identified.
- waste. UHC's are NOT required to be identified.

  6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standar under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete an attach the lab pack certification statement on CHI FORMILED BY. Note that in accordance with 40 CFR Part 26 Appendix IV, lab packs which contain waste codes DUDY, 2013 K003, K004, K005, K006, K062, K071, K100, K106 P010, P011, P012, P076, P078, U134, and U151 are not religible for alternative lab pack treatment standard.

NOTE: IF THE WASTE IS A SOIL CONTAMINATED WITH A FISTED OF CHARACTERISTIC WASTE AND THE GENERATOR WANTS 1
USE THE ALTERNATE TREATMENT STANDARD FOR SOILS, CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LD
NOTIFICATION FORM.

			TC WASTES DOOL THROUGH DO43									
SECTION I.	CHARAC	TERIST	IC WASTES DOOL THROUGH DO43									
			COLUMN 2:									
COLUMN 1:		,			CO	:JUMN	3:	•	COL	umn	4:	
LINE ITEM			WASTE CODE / SUBCATEGORY DO CO		WAS	TEWA!	TER/	HAI	NDL	ING	CO	DE
SEE MANIFES	Ť		<u> </u>		NON-W	ASTE	Hater					
	[ ]	D001	Ignitables, except High TOC subcategory	[]	WW	[]	Non-WW	1	2	3	4	6
	i i	D001	High TOC Ignitable Liquids Subcategory	[]	Non-W	W on	ly	1A		3	6	
			(Greater than or equal to 10% TOC)				-					
-	[ ]	D002	Corrosives	[]	WW	[ ]	Non-WW	1	2	3	4	6
	ii	D003										
		[ ]	Reactive Sulfide, per 261.23(a)(5)	( )	WW	[ ]	Non-WW	1	3	4	5	6
		Ü	Reactive Cyanide, per 261.23(a)(5)	[ ]	WW	( )	Non-WW	1	3	4	5	6
\$		[]	Explosive, per 261.23(a)(6), (7) & (8)	[]	WW	[]	Non-WW	1	2	3	4	6
		Ĺ	Water Reactive, per 261.23(a)(2), (3) & (4)	[]	Non-W	W on	ly	1	2	3	4	6
		ίi	Other Reactive, per 261.23(a)(1)	[ ]	WW	[ ]	Non-WW	1	2	3	4	6
		ίi	Unexploded Ordnance, Emergency Response	[ ]	WW	Ü	Non-WW	1	3	4	5	6
	ſį	D004	Arsenic	( )	WW		Non-WW	1	2	3	4	6
	ií	D005	Barıum	[ ]	WW	( )	Non-WW	1	2	3	4	6
TI A-	Dat	D006						·~	_	_	-	-
		Dk	Cadmium	[]	WW	(N)	Non-WW e	$\langle \mathbf{Y} \rangle$	6	3	4	6
		[]	Cadmium Containing Batteries	[]	Non-W			172	روا	6	-	-
11	KI	D007	Chromium	( )			Non-ww	<i>X</i> ⊕	Ž)	3	4	6
	· 4 i	D008				~	_	X	()	_		-
	• • •	[].	Lead	[]	WW	[ ]	Non-WW	1	2	3	4	6
		i i	Lead Acid Bat eries	i i	Non-W			2	3	6	•	-
		. ,		٠.			- 1	_	-	•		

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	<u>BRG.GIZKI</u> GII	COLUMN 2: WASTE CODE / NAME			COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN HANDLING	
SEE PRINTEDI					NON WHOTEHREEK		
	[ ] D009 [ ] [ ] [ ]	Low Mercury, less than 260 mg/kg Mercury High Mercury Organic Subcategory 'High Mercury Inorganic Subcategory	l		WW [] Non-WW Non-WW only Non-WW only	1 2 3 2 3 4 2 3 4	4
	[] D010	Selenium		[ ]			4 6
	[ ] D011 [ ] D012	Silver Endrin		[]	WW [] Non-WW WW [] Non-WW	1 2 3 2 3 4	4 6 5 6
	[ ] D012	Lindane				2 3 4	5 6
	[] D014	Methoxychlor	_	ij	WW [] Non-WW	2 3 4	5 6
	[ ] D015	Toxaphene	[	[ ]	WW [] Non-WW	2 3 4	5 6
	[] D016	2,4-D		[ ]	WW [] Non-WW	2 3 4	5 6
	[ ] D017	2,4,5-TP (Silvex)	_		WW [] Non-WW	2 3 4	5 6
	[ ] D018 [ ] D019	Benzene Carbon tetrachloride		[]	WW [] Non-WW	1 2 3	4 6
	[ ] D019 [ ] D020	Chlordane			WW [] Non-WW	1 2 3	4 6
	[] D021	Chlorobenzene	_	ij	WW [] Non-WW	1 2 3	4 6
	[] D022	Chloroform	{	[ ]	WW [ ] Non-WW	1 2 3	4 6
	[] D023	o-Cresol			WW [ ] Non-WW	1 2 3	4 6
	[] D024	m-Cresol	_	[ ]	WW [] Non-WW	1 2 3	4 6
	[ ] D025	p-Cresol Cresol	(		WW [] Non-WW	1 2 3	4 6
<del></del>	[ ] D026 [ ] D027	1,4-Dichlorobenzene	-	]	WW [] Non-WW	1 2 3	4 6
	( ) D028	1.2-Dichloroethane		í	WW [] Non-WW	1 2 3	4 6
	[] D029	1,1-Dichloroethylene	E	3	WW [ ] Non-WW	1 2 3	4 6
	[] D030	2,4-Dinitrotoluene	(	3	WW [] Non-WW	1 2 3	4 6
	[ ] D031	Heptachlor (and its epoxide)	[	]	WW [] Non-WW	1 2 3	4 6
<del></del>	[ ] D032 [ ] D033	Hexachlorobenzene Hexachlorobutadiene	l r	]	WW [] Non-WW	1 2 3 1 2 3	4 6 4 6
		Hexachloroethane	ľ	i	WW [] Non-WW	1 2 3	4 6
	[] D035	Methyl ethyl ketone	ì	-	WW [] Non-WW		4 6
	[] D036	Nitrobenzene	[	]	WW [ ] Non-WW	1 2 3	4 6
	[ ] D037	Pentachlorophenol	ĺ	]	WW [] Non-WW		4 6
<del></del>	[ ] D038	Pyridine		-	WW [] Non-WW	•	4 6
	[ ] D039	Tetrachloroethylene		-	WW [] Non-WW		4 6 4 6
	[ ] D040 [ ] D041	Trichloroethylene 2,4,5-Trichlorophenol		-	WW [] Non-WW		4 6
	[ ] D042	2,4,6-Trichlorophenol		-	WW [] Non-WW		4 6
		Vinyl Chloride	[	)	WW [ ] Non-WW	1 2 3	4 6
SECTION II.	SPENT SOLVE	VT WASTES F001 THROUGH F005					
COLUMN 1: LINE ITEM SEB MANIFEST		COLUMN 2: WASTE CODE / CONSTITUENTS			COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN HANDLING	
. ( /	. /						_
1111	F001	[ F002 [ F003 [ ] F004 [ ]	F005 [	}	WW Non-WW	3 4 (5	<u>)</u> 6
	1. ALL F001	<del></del>		_		25. Pyridine	ookhul
	2. Acetone 3. Benzene	[ ] 13. o-Dichloro [ ] 14. 2-Ethoxyet				26. Tetrachlor 27. Toluene	oernyiene
Here Inter	4. n-Butyl a	<del></del> : :	indiror ,			28. 1,1,1-Tric	hloro-
<b>一</b> 行	5. Carbon di		ate			ethane	
		trachloride [ ] 16. Ethyl benz			{ ] :	29. 1,1,2-Tric	hloro-
	7. Chlorober					ethane	* h 1
	B. o-Cresol	(difficult to [] 18. Isobutyl a	TCOUOT			30. Trichloroe 31. 1,1,2-Tric	<del>-</del>
t )	distinguia distinguia	<del></del>	chlorid	le	1 ,	1,2,2-trifl	
	p-cresol)	[ ] 21. Methyl eth			[]	32. Trichlorom	
[]:	10. p-Cresol	(difficult to [ ] 22. Methyl iso	butyl k		one	methane	
	distinguis			20.0		33. Xylene - m:	
[]	m-cresol)	mixed isomers [ ] 24. 2-Nitroproposition only)	pane (F	.00	5	(sum of o-, p-xylene)	m-, and
	(sum of o					£ 2,	
	p-cresol)						

CLEAN	HARBORS	<b>ENVIRONMENTA</b>	L SERVICES, 1	INC.	
LAND :	DISPOSAL	RESTRICTION	NOTIFICATION	FORM	LDR-1

SECTION III. CALIFORNIA LIST WASTES

COLUMN 1 : LINE ITEM

SEE MANIFEST

RESTRICTION NOTIFICATION FORM LDR-1	Manifest No.
CALIFORNIA LIST WASTES	
COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER
Hazardous waste containing one or more of the foll California List constituents:	lowing [] WW [] Non-WW 1 2 3 4 5 6
[ ] ALL CALIFORNIA LIST CONSTITUENTS	

[ ]	Liquids with thallium greater than or equal to 130 mg/l
[ ]	Liquids with PCB's > or = 50 ppm
11	Waste containing HOC's > or = 1,000 mg/kg

#### SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, U-, AND P-CODES)

[ ] Liquids with pickel greater than or equal to 134 mg/l

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: COLUMN 4: WASTEWATER/ HANDLING CODE NON-WASTEWATER	3
<del></del>		[] WW [] Non-WW 3 4 5 6	
<del></del>		[] WW [] Non-WW 3 4 5 6	
		[] WW [] Non-WW 3 4 5 6	
<del></del>		[ ] WW [ ] Non-WW 3 4 5 6	
<del></del> .		[] WW [] Non-WW 3 4 5 6	

1	CHECK HERE IF	ADDITIONAL	LISTED WASTE	CODES ARE	PRESENT.	COMPLETE AND	ATTACH LDR-	1 CONTINUATION SHEET.

SECTION V. CONTACT NAME AND DATE

Print Name: THOMAS RYSILWILZ

AGENT FOR 6500 INDUSTRIAL

HIGHWAY GROVP

10-21-94 Date:

# KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkalıne chlorınation, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

<sup>[ ]</sup> CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

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			l .	1		
Manıfest	No.		•			
		_	<del></del>			 

# SECTION I. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "Underlying Hazardous Constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, fluoride, selenium, sulfides, vanadium and zinc are NOT regulated as UHC's.

( ) Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste.

#### SECTION II. MULTI-SOURCE LEACHATE (WASTE CODE F039)

- [] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent. Note that constituents which are identified by an asterisk (\*) are NOT regulated as F039 constituents.
- [ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

### SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

- [] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.
- [] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

		-	,			
SECT	ION IV. LIST OF	CONSTÎTUENTS - INCLUDE MANIFEST LI	NE ITEN	4		
34.	[]		72.		[]	Chlordane (alpha and gamma
35.	[]	Acenaphthene	115			isomers)
36.	[]	Acetone	73.		[ ]	p-Chloroaniline
37.	[ ]		74.		Ĺĵ	<del>-</del>
38.	i i				· i i	
39.		2-Acetylaminofluorene	76.		ii	
40.	i i		77.		ii	
41.			78.		ii	
42.	i i	-	79.		( )	
251.	i i	<del>-</del>	80.		ii	<b>-</b> ·
43.	ì i	Aldrin	81.		į	
44.	i :	4-Aminobiphenyl	82.		ij	bis(2-Chloroisopropyl)ether
45.	i i	Aniline	83.		ij	
46.	i i	Anthracene	84.		ij	
47.	ii	Antimony	85.		ίĵ	Chloromethane (Methyl Chloride)
48.	i i	Aramite	86.		į	2-Chloronaphthalene
49.	ii	Arsenic	87.		[]	
50.	ii	alpha-BHC	88.		ij	3-Chloropropylene
51.	::	beta-BHC	89.			Chromium (Total)
52.		delta-BHC	90.		[]	Chrysene
53.	—— ii	gamma-BHC	91.		[]	<u> </u>
252.	<del></del> ::	Barban (*)	92.		[]	m-Cresol (difficult to
54.	;;	Barium	32.	<del></del>	( )	distinguish from p-Cresol)
253.		Bendiocarb (*)			r 1	
		_ /S	93.		[]	•
255.	[]	<u> </u>				distinguish from o-Cresol)
55.	[]	Benzene	262.		[]	
56.	[]	Benz(a)anthracene Benzal chloride (*)	94. 95.		[]	
57. 58.		• •	263.		[]	Cyanides (Amenable)
50.		to distinguish from	263. 96.		[]	Cycloate (*)
		Benzo(k) fluoranthene)	96. 97.		[]	Cyclohexanone
E0.	[]			<del></del>	[]	1,2-Dibromo-3-chloropropane
59.			98.		[]	1,2-Dibromoethane (Ethylene dibromide)
		to distinguish from	99.			Dibromomethane
		Benzo(b) fluoranthene)	100.		[ ]	2,4-Dichlorophenoxyacetic acid (2,4-D)
60.	[]		101.		[]	o,p'-DDD
61.	[]	Benzo(a)pyrene	102.		[]	p,p'-DDD
62.	[]	Berylium	103.		[]	o,p'-DDE
63.		Bromodichloromethane			[ ]	p,p'-DDE
64.	[]	Bromomethane (Methyl bromide)	105.		[ ]	o,p'-DDT
65.	[]	4-Bromophenyl phenyl ether	106.		[]	p,p'-DDT
66.		n-Butyl alcohol	107.		[ ]	Dibenz(a,h)anthracene
256.	[]	Butylate (*)	108.			Dibenzo(a,e)pyrene
67.	[]	Butyl benzyl phthalate	109.		[]	m-Dichlorobenzene
68	[]	2-sec-Butyl-4,6-dinitrophenol	110.		[]	o-Dichlorobenzene
		(Dinoseb)	111.		[]	<u> </u>
69	[]	Cadmium	112.		[]	Dichlorodifluoromethane
257.	<u> </u>	Carbaryl (*)	113.		[]	1,1-Dichloroethane
258.		Carbendazim (*)	114.		[ ]	1,2-Dichloroethane
259.	[ ]	Carbofuran (*)	115.		[ ]	1,1-Dichloroethylene
260.	[]	Carbofuran phenol (*)	116.		[ ]	trans-1,2-Dichloroethylene
70.	[]	Carbon disulfide	117.		[ ]	
71.	[]	Carbon tetrachloride	118.		[]	
261.	[]	Carbosulfan (*)	119.		[]	• •
			120.		[]	cis-1,3-Dichloropropylene
			101			******* 1 3 Pi-bl

[] trans-1,3-Dichloropropylene

122.						
		[ ]	Dieldrin	181	[]	Methyl ethyl ketone
123.		[ ]	Diethyl phthalate	182.	[ ]	Methyl isobutyl ketone
124.		[ ]	2,4-Dimethyl phenol	183.	[ ]	Methyl methacrylate
125.		[ ]		184.	[ ]	<u> </u>
126		-	Di-n-butyl phthalate	185.	ii	
127			1,4-Dinitrobenzene	274.	ίi	
120			4,6-Dinitro-o-cresol	275	ίí	
120.				275.		
129.		[ ]		276.	[ ]	
130.		[ ]		186.	[ ]	Naphthalene
131.		[]	2,6-Dinitrotoluene	187.	[ ]	2-Naphthylamine
132.		[ ]	Di-n-octyl phthalate	188	[]	Nickel
133.		[ ]	p-Dimethylaminoazobenzene (*)	189	[]	o-Nitroaniline (*)
134.		[ ]	· · ·	190.	[]	p-Nitroaniline
135		ii		191.	ij	Nitrobenzene
126	•	ij		192	ii	5-Nitro-o-toluidine
130.			distinguish from	192.	-	
				193.	[]	o-Nitrophenol (*)
			diphenylnitrosamine)	194.	[]	p-Nitrophenol
137.		[ ]	· ·	195.	( )	N-Nitrosodiethylamine
			distinguish from diphenylamine)	196.	[ ]	N-Nitrosodimethylamine
138.		[]	1,2-Diphenylhydrazıne	197	[]	N-Nıtroso-di-n-butylamine
		[]	Disulfoton	198	[]	N-Nitrosomethylethylamine
		[ ]	Dithiocarbamates (Total) (*)	199.	[]	N-Nitrosomorpholine
140		ίi		200.	Ü	
141		ii		201.	ii	N-Nitrosopyrrolidine
141.				277		
142.		[ ]		277.	[]	Oxamyl (*)
143.		[ ]		202.	[]	
144.		[]	<del>-</del>	203.	( )	The state of the s
267.		( )	EPTC (*)			or all Arochlors)
145,		[ ]	Ethyl acetate	278	[]	Pebulate (*)
146.		[]	Ethyl cyanide (propanenitrile)	204.	[]	Pentachlorobenzene
147		ii	Ethyl benzene	205.	[]	PeCDDs (All pentachlorodibenzo-
140		Ü	-			p-dioxins)
140,			-	206	f 1	PeCDFs (All pentachlorodibenzofurans)
149.		[]		206.		
150.		[ ]	Ethyl methacrylate	207.	[]	Pentachloroethane (*)
151.		[ ]	Ethylene oxide	208.	( )	
152.		[]	Famphur	209.	[]	Pentachlorophenol
153.		[ ]	Fluoranthene	210	[ ]	Phenacetin
154.		[]	Fluorene	211.	[]	Phenanthrene
155.		ίi	Fluoride	212.	Ü	Phenol
268		ii	Formetanate hydrochloride (*)	213.	ίi	Phorate
156		ii	Heptachlor	214.	ίí	Phthalic acid (*)
150.			<del>-</del>	215	[]	Phthalic anhydride
157.		[]	Heptachlor epoxide	215.		
158.		[]	Hexachlorobenzene	280.	[]	Physostigmine (*)
159.		[]	Hexachlorobutadiene	281	[]	Physostigmine salicylate (*)
160.		. ,				
161.		[]	Hexachlorocylopentadiene	282	ίi	Promecarb (*)
			Hexachlorocylopentadiene HxCDDs (All hexachlorodibenzo-	282. 216.		
		[ }		216	[ ]	Promecarb (*)
162.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins)	216 283	[ ]	Promecarb (*) Pronamide Propham (*)
162.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo-	216 283 284	[]	Promecarb (*) Pronamide Propham (*) Propoxur (*)
		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans)	216. 283. 284. 285.	[ ] [ ] [ ] [ ]	Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*)
163.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane	216. 283. 284. 285.	[ ] [ ] [ ] [ ]	Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene
163. 164.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene	216. 283. 284. 285. 217.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine
163. 164. 165.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene	216. 283. 284. 285. 217. 218. 219.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole
163. 164. 165.		[]	HxCDDs (All hexachlorodibenzo-p-dioxins) HxCDFs (All hexachlorodibenzo-furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl	216. 283. 284. 285. 217. 218. 219. 220.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium
163. 164. 165. 270.		[]	HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene	216. 283. 284. 285. 217. 218. 219. 220.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole
163. 164. 165. 270.		[]	HxCDDs (All hexachlorodibenzo-p-dioxins) HxCDFs (All hexachlorodibenzo-furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl	216. 283. 284. 285. 217. 218. 219. 220.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium
163. 164. 165. 270.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*)	216. 283. 284. 285. 217. 218. 219. 220.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver
163. 164. 165. 270.			HxCDDs (All hexachlorodibenzo-p-dioxins) HxCDFs (All hexachlorodibenzo-furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP)
163. 164. 165. 270. 166. 167.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin	216. 283. 284. 285. 217. 218. 219. 220.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic
163. 164. 165. 270. 166. 167. 168.			HxCDDs (All hexachlorodibenzo-p-dioxins) HxCDFs (All hexachlorodibenzo-furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
163. 164. 165. 270. 166. 167. 168. 169.			HxCDDs (All hexachlorodibenzo-p-dioxins) HxCDFs (All hexachlorodibenzo-furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene
163. 164. 165. 270. 166. 167. 168. 169. 170.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-
163. 164. 165. 270. 166. 167. 168. 169. 170.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retore	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins)
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 172.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins) TCDFs (All tetrachlorodibenzofurans)
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 172. 173.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacrylonitrile	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 173. 174.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 173. 174.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacrylonitrile	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methanol Methapyrilene	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene
163. 164. 165. 270. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 272.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacol Methapyrilene Methiocarb (*)	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.  227. 228. 229. 230. 231.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo-p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol
163. 164. 165. 270. 166. 167. 168. 171. 172. 173. 174. 175. 176. 272. 273.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methanol Methapyrilene Methiocarb (*) Methomyl (*)	216		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol Thallium
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163. 164. 165. 270. 166. 167. 168. 170. 171. 172. 173. 174. 175. 176. 272. 273. 177. 178.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacylonitrile Methanol Methapyrilene Methiocarb (*) Methomyl (*) Methoxychlor 3-Methylcholanthrene 4,4-Methylene-bis(2-chloroaniline)	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.  227. 228. 229. 230. 231. 232. 286. 287. 233.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol Thallium Thiodicarb (*) Thiophanate-methyl (*) Toluene
163. 164. 165. 270. 166. 167. 168. 170. 171. 172. 173. 174. 175. 176. 272. 273. 177. 178.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacylonitrile Methanol Methapyrilene Methiocarb (*) Methomyl (*) Methoxychlor 3-Methylcholanthrene 4,4-Methylene-bis(2-chloroaniline)	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.  227. 228. 229. 230. 231. 232. 286. 287. 233. 234.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol Thallium Thiodicarb (*) Thiophanate-methyl (*) Toluene Toxaphene
163. 164. 165. 270. 166. 167. 168. 170. 171. 172. 173. 174. 175. 176. 272. 273. 177. 178.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacylonitrile Methanol Methapyrilene Methiocarb (*) Methomyl (*) Methoxychlor 3-Methylcholanthrene 4,4-Methylene-bis(2-chloroaniline)	216		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol Thallium Thiodicarb (*) Thiophanate-methyl (*) Toluene Toxaphene Triallate (*)
163. 164. 165. 270. 166. 167. 168. 170. 171. 172. 173. 174. 175. 176. 272. 273. 177. 178.			HxCDDs (All hexachlorodibenzo- p-dioxins) HxCDFs (All hexachlorodibenzo- furans) Hexachloroethane Hexachloropropylene Indeno (1,2,3-c,d)pyrene 3-Iodo-2-propynyl n-butylcarbamate (*) Iodomethane Isobutyl alcohol Isodrin Isosafrole Kepone Lead MercuryNonwastewater from Retort MercuryAll others Methacylonitrile Methanol Methapyrilene Methomyl (*) Methoxychlor 3-Methylcholanthrene 4,4-Methylene-bis(2-chloroaniline)	216. 283. 284. 285. 217. 218. 219. 220. 221. 222. 223. 224.  225. 226.  227. 228. 229. 230. 231. 232. 286. 287. 233. 234.		Promecarb (*) Pronamide Propham (*) Propoxur (*) Propoxur (*) Prosulfocarb (*) Pyrene Pyridine Safrole Selenium Silver Silvex (2,4,5-TP) Sulfide 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) 1,2,4,5-Tetrachlorobenzene TCDDs (All tetrachlorodibenzo- p-dioxins) TCDFs (All tetrachlorodibenzofurans) 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene 2,3,4,6-Tetrachlorophenol Thallium Thiodicarb (*) Thiophanate-methyl (*) Toluene Toxaphene

CLEAN HA	RBORS	ENVIRONN	MENTAL SERVICES, INC.			
LAND DIS	POSAL	RESTRICT	TION NOTIFICATION FORM LDR-1	ADDENDUM Manife	est No.	
236		_ []	1,2,4-Trichlorobenzene	244	_ ()	1,1,2-Trichloro-1,2,2-trifluoroethane
237.		_ []	1,1,1-Trichloroethane	290.	_ [ ]	Triethylamine (*)
238.		[ ]	1,1,2-Trichloroethane	245.	_ ( )	tris-(2,3-Dibromopropyl)phosphate
239.	-	_ []	Trichloroethylene	246	_ []	Vanadium (*)
240.		_ ( ]	Trichloromonofluoromethane	291.		Vernolate (*)
241.		[ ]	2,4,5-Trichlorophenol	247.	[ ]	Vinyl chloride
242.		[ ]	2,4,6-Trichlorophenol	248.	[ ]	Xylenesmixed isomers (sum of o-,
243.		[ ]	1,2,3-Trichloropropane		_	m-, and p-xylene concentrations)
		<del></del>		249.	_ ()	Zinc (*)

#### KEY TERMS/DEFINITIONS

CONTAMINANTS SUBJECT TO TREATMENT (CSTT) are the specific constituents listed by waste code number in the Treatment Standard Table in §268.40. CSTT's must be identified for all hazardous debris wastes that are intended for treatment using one of the hazardous debris alternate treatment technologies described in §268.45.

REASONABLY EXPECTED TO BE PRESENT means that the generator is relying on knowledge of the raw materials used, the process, and potential reaction products, or on the results of a one-time analysis for the entire list of UHC's that may be present in the untreated hazardous waste. If a one-time analysis of the entire list of UHC's is conducted, subsequent analyses are required for only those pollutants which would reasonably be expected to be present in the waste as generated, based on the previous sampling and analysis results.

UNDERLYING HAZARDOUS CONSTITUENT (UHC) means any constituent listed in §268.48 Table UTS - Universal Treatment Standards (except fluoride, selenium, sulfides, vanadium and zinc) which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. [See 40 CFR 268.2]

State Form LPC 62 8/81 IL532-0610

LEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved OMB No. 2050-0039 1. Generator's US EPA ID No. Manifest Information in the shaded areas is not required by Federal law, but is required by Illinois law. 2 Page 1 **UNIFORM HAZARDOUS** WASTE MANIFEST: IND040888992 0003 3. candador Industribada de la Plaza Drive A Illinois Manifest Document Number 12 8494039 FEE PAID. Location If Different Suite 106 6499 Industrial Highway Gary, IN 46406

4. \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800 -645 - 8265

5. Transporter 1 Company Name B. Generator's IL ID Number i C Transporter's ID Number US EPA ID Number 5. Transporter 1 Company Name 9LD067138891 ROBBIE D. WOODS D. Transporter's Phone (205) 744-8444 E Transporters
ID Number 7. Transporter 2 Company Name US EPA ID Number R F. Transporter's Phone ( 9. Designated Facility Name and Site Address **US EPA ID Number** 10. Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617 H. Facility's Phone (773) 646-6202 ILD 0 0 0 6 0 8 4 7 1 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Waste No. Type Quantity Wt/Vol PEPA HW Number a. HAZARDOUS WASTE SOLID, N.O.S. (METHYLENE CHLORIDE, E N-BUTANOL), 9, NA3077, III N 0.0.1 Cm 1,60,0 E EPA HW Number b. R 21.53 m Ţ ٥ C. R :;- EPA HW, Number, d. K Handling Codes for Wastes Listed Above in Item #14 15. Special Handling Instructions and Additional Information wo# NB198824 VACUUM BOX NO. IV 2502 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name 16607 FOR 6500 Month Day Year IND. HEWYEROUP HOMAS RYSIBUICZ 12119 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Signati ), Nenam 5/M MY 10 Z/ 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Year Signature B-9180019999 19. Discrepancy Indication Space A 20. Facility Owner or Operator: Certification of receipt of I azardous materials covered by this manifest except as noted in item 19. Date Month Day Printed/Typed Name Signature Year Section 1004 and 1021, that this information be submitted it the Agency Failure to provide 100 per day of violation. Falsification of this information may result in a fine up to \$50,000 Agency is authorized to require, pursuant to illinois Revised Statute 1989, Chapter 114-177, Section Information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(a), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KLY TERMS/DEFINITIONS.

- Column 1 Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
- Column 2 Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
- Column 3 Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
- Column 4 LDR Handling Code: Circle the appropriate handling code, as follows:
  - 1 = The waste is a characteristic hazardous waste D001, D002, D003, D004-D011, or D018-43 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.
  - 1A The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.
  - 2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D003 Explosive, Water Reactive or Other Reactive subcategory, D004-D011, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and a revised LDR notification would be required.
  - 4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment, disposal in compliance with the alternate debris treatment technologies of 40 CTR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) \*This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45°; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.
  - 5 The waste is a characteristic waste D003 Reactive Sulfide, Reactive Cyanide, or Unexploded Ordnance subcategory, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.
  - 6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standar under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendi: IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

IF THE WASTE IS A SOIL CONTAMINATED WITH A LISTED OR CHARACTERISTIC WASTE AND THE GENERATOR WANTS TO USE THE ALTERNATE TREATMENT STANDARD FOR SOILS CONTACT CORPORATE COMPLIANCE FOR THE APPROPRIATE LDF NOTIFICATION FORM. S m

			~ ~ <del>~</del> ~ <del>~</del>										
SECTION I.	CHARAC	TERIST	IC WASTES DOOL THROUGH DOA'S										
COLUMN 1:						COLU	MM	3:		COL	UMN	4:	
LINE ITEM			WASTE CODE / SUBCATERONE			WASTE	WA:	rer/	HA	NDL	ING	CO	DE
SEE MANIFEST			回台 ゴ			NON-WAS	TE	WATER					
			<i>ν</i> ( )										
	[ ]	D001	Ignitables, except High TOC subsectegory	(	1	WW [	1	Non-WW	1	2	3	4	6
	ii	D001	High TOC Ignitable Liquids Subcategory	Ī	1	Non-WW	on.	lv	1A	_	ī	6	•
	• •		(Greater than or equal to Im 700)	•	•			-4			•	٠	
•	r 1	D002		1	1	WW [	1	Non-WW	1	2	2	A	6
	ii	D003		•	-	•	•		-	-	•	•	٠
	٠.	11	Reactive Sulfide, per 44.23(a)(5)	ſ	3	WW (	1	Non-WW	7	3	A	5	6
		7 7	Reactive Cyanide, per 251.25(al(s)	ì	í	WW I	í	Non-WW	1	3	7	-	_
		ří	Explosive, per 261.23(a)(6), (7) & (8)	í	í	WW (	• 1	Non-WW	1	3	3	3	-
		7 7	Water Reactive, per 261.23(a)(2), (3) & (4)	í	-	Non-ww	•		1	2	3	4	6
		( )	Other Reactive, per 261.23(a)(1)	'n	í			Non-WW	•	2	,	7	0
		(1)	Unexploded Ordnance, Emergency Response	'n	1	WW [	: ;	Non-WW	1	2	3	9	٥
		D004	Arsenic	,	,		· 1	Non-WW		3	4	5	0
	( )		Barium	- 1	•	• • • • • • • • • • • • • • • • • • • •		Non-WW	•	2	3	4	0
11/1		_D005	Barrum		1	nn (		NOIL-WH	٠,	2	3	4	6
	-120	D006	G-d-11-	,	,	ww (	· 1-	Non-ww	ヘサ	(2)	١.		_
		(N)	Cadmium	ı,	-	-	•	_	<b>∀</b>	(2/	, 3	4	6
111		[ ]	Cadmium Containing Batteries	ŀ	_	Non-WW		•	7	X	6		_
	1	D007	Chromium	ι	J	MM [	×	Non-WW	<b>3</b> (1)	(Z)	3	4	6
	.(1)	D008				!	′.			ب			
		l l	Lead	l	į	WW (	. 1	Non-WW	1	2	3	4	6
		[]	Lead Acid Batteries	ι	ł	Non-WW	OD.	C.Y	2	3	6		

# SECTION I. CHARACTERISTIC WASTES D001-43 (CONTINUED)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[] D009 [] Low Mercury, less than 260 mg/kg Mercury [] High Mercury Organic Subcategory [] D010 Selenium [] D011 Silver [] D012 Endrin [] D013 Lindane [] D014 Methoxychlor [] D015 Toxaphene [] D016 2,4-D [] D017 2,4,5-TP (Silvex) [] D018 Benzene [] D019 Carbon tetrachloride [] D020 Chlordane [] D021 Chloroform [] D022 Chloroform [] D023 o-Cresol [] D024 m-Cresol [] D025 p-Cresol [] D026 Cresol [] D027 1,4-Dichlorobenzene [] D028 1,2-Dichloroethane [] D029 1,1-Dichloroethylene [] D030 2,4-Dinitrotoluene [] D031 Heptachlor (and its epoxide) [] D033 Hexachlorobenzene [] D034 Hexachlorobenzene [] D035 Methyl ethyl ketone [] D036 Nitrobenzene [] D037 Pentachloroethylene [] D038 Pyridine [] D039 Tetrachloroethylene [] D039 Tetrachloroethylene [] D039 Tetrachloroethylene [] D039 Tetrachloroethylene [] D039 Tetrachloroethylene	[ ] WW [ ] NON-WW [ ] NON-WW ONLY [ ] WW [ ] NON-WW	1 2 3 4 6 1 2 3 4 6 6 1 2 3 3 4 6 6 1
	[ ] D041 2,4,5-Trichlorophenol [ ] D042 2,4,6-Trichlorophenol [ ] D043 Vinyl Chloride	[ ] WW [ ] Non-WW [ ] WW [ ] Non-WW	1 2 3 4 6 1 2 3 4 6 1 2 3 4 6
COLUMN 1: LINE ITEM SEE MANIFEST	SPENT SOLVENT WASTES FOO1 THROUGH FO05  COLUMN 2: WASTE CODE / CONSTITUENTS  FO01 [ F002 [ F003 [ ] F004 [ F009]	COLUMN 3.  WASTEWATER/ NON-WASTEWATER  [] WW [Mon-ww	COLUMN 4: HANDLING CODE  3 4 5 6
	1. ALL F001-F005 2. Acetone 3. Benzene 4. n-Butyl alcohol 5. Carbon disulfide 6. Carbon tetrachloride 7. Chlorobenzene 8. o-Cresol 9. m-Cresol (difficult to distinguish from p-cresol) 10. p-Cresol (difficult to distinguish from m-cresol) 11. Cresol - mixed isomers (sum of o-, m- and p-cresol)  12. Cyclohexanone 1	Zene	Pyridine Tetrachloroethylene Toluene 1,1,1-Trichloro- ethane 1,1,2-Trichloro- ethane Trichloroethylene 1,1,2-Trichloro- 1,2,2-trifluoroethane Trichloromonofluoro- methane Xylene - mixed isome (sum of o-, m-, and p-xylene)

CLEAN	HARBORS	<b>ENVIRONMENTAL</b>	SERVICES,	INC.	
LAND	DISPOSAL	RESTRICTION N	NOTIFICATION	FORM	LDR-1

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			_							
SECTION III.	CALIFORNIA LIST WASTES									
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE	TER/	CC H <b>AN</b> I		IN 4 IG C		
	Hazardous waste containing one or more of the following California List constituents:	9 (	] WW	[ ]	Non-WW	1 2	3	4	5 6	
	<pre>[ ] ALL CALIFORNIA LIST CONSTITUENTS [ ] Liquids with nickel greater than or equal to 134 ; [ ] Liquids with thallium greater than or equal to 136 [ ] Liquids with PCB's &gt; or = 50 ppm [ ] Waste containing HOC's &gt; or = 1,000 mg/kg</pre>		1							
SECTION IV.	OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, F	K-, υ	-, AN	D P-CO	DES)					
COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY		W	COLUMN ASTEWA -WASTE	TER/	CC HANE		IN 4 IG C		
		t :	l ww	[ ]	Non-WW	3	4	5	6	
		ŧ.	ww	[ ]	Non-WW	3	4	5	6	
		ŧ.	WW	[ ]	Non-WW	3	4	5	6	
		ι:	ww	[ ]	Non-WW	3	4	5	6	
		[ ]	ww	<b>(</b> )	Non-WW	3	4	5	6	
[ ] CHECK HE	RE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLET RE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESEN II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETE	T.	IDENT	IFY FO	39 CONST	<b>TITUENTS</b>			MPLET	ſING
SECTION V. CO	NTACT NAME AND DATE									
Print Name:	THOMAS RYSHEWILZ	Da	ıte: _		10-2	1-99				
	THOMAS RYSIGNICT AGGOT FOR 6500 INDUSTRIAL HIGHWAY GROUP									
	HIGHWAY GROUP									

#### KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

Manıfest No.	TI
	7

#### SECTION I. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

- [ 1- Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "Underlying Hazardous Constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, fluoride, selenium, sulfides, vanadium and zinc are NOT regulated as UHC's.
- [ ] Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste.

#### SECTION II. MULTI-SOURCE LEACHATE (WASTE CODE F039)

- [] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent. Note that constituents which are identified by an asterisk (\*) are NOT regulated as F039 constituents.
- [ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

#### SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

- [] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.
- [ ] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

SECTION IV.	LIST OF CONSTITUENTS - INCLUDE MANIFEST LI	NE ITEM	
34	[ ] Acenaphthylene	72.	[ ] Chlordane (alpha and gamma
35.	[ ] Acenaphthene		isomers)
36.	[ ] Acetone	73.	[ ] p-Chloroaniline
37.	[ ] Acetonitrile	74.	[ ] Chlorobenzene
38.	[ ] Acetophenone	75.	[ ] Chlorobenzilate
39.	[ ] 2-Acetylaminofluorene	76.	[ ] 2-Chloro-1,3-butadiene
40.	[ ] Acrolein	77.	[ ] Chlorodibromomethane
41.	[ ] Acrylamide (*)	78.	[ ] Chloroethane
42.	[ ] Acrylonitrile	79.	[ ] bis(2-Chloroethoxy)methane
251.		80.	[] bis(2-Chloroethyl)ether
43.	[] Aldrin	61.	[] Chloroform
44	[ ] 4-Aminobiphenyl	82.	[ ] bis(2-Chloroisopropyl)ether
45.	[] Aniline	83.	[] p-Chloro-m-cresol
46.	[ ] Anthracene	84.	[ ] 2-Chloroethyl vinyl ether (*)
47.		85.	[ ] Chloromethane (Methyl Chloride)
48.	[] Aramite	86.	[] 2-Chloronaphthalene
49.	[] Arsenic	87.	[] 2-Chlorophenol
50.		88.	[] 3-Chloropropylene
51.	[] beta-BHC	89.	[] Chromium (Total)
52.	[] delta-BHC	90.	[] Chrysene
63	- I camma - BUC	91.	[] o-Cresol
252.	[] Barban (*)	92 ::	[] m-Cresol (difficult to
54.	[] Barium		distinguish from p-Cresol)
	<del>-</del>	93.	[] p-Cresol (difficult to
	<del>-</del> :: - , ,., ·		distinguish from o-Cresol)
255. 55.	Benzene	262.	[] m-Cumenyl methylcarbamate (*)
	<del></del>		[] Cyanides (Total)
56. 57.	{ } Benzal chloride (*)	94. 95.	[ ] Cyanides (Iocal) [ ] Cyanides (Amenable)
58.	[ ] Benzo(b) fluoranthene (difficult	263.	[] Cycloate (*)
30.	to distinguish from	96.	[] Cyclohexanone
	Benzo(k) fluoranthene)	97.	[] 1,2-Dibromo-3-chloropropane
60	[ ] Benzo(k)fluoranthene (difficult		• •
59.	to distinguish from	98. 99.	[ ] 1,2-Dibromoethane (Ethylene dibromide [ ] Dibromomethane
	Benzo(b) fluoranthene)		- ·
		100.	[] 2,4-Dichlorophenoxyacetic acid (2,4-)
60	[] Benzo(g,h,1)perylene [] Benzo(a)pyrene	101.	[] o,p'-DDD
61	<del></del>	102.	[ ] p,p'-DDD
62.	<del></del>	103.	( ) o,p'-DDE
63.	[] Bromodichloromethane [] Bromomethane (Methyl bromide)	104.	[] p,p'-DDE
64		105.	( ) o,p'-DDT
65.	<pre>[ ] 4-Bromophenyl phenyl ether [ ] n-Butyl alcohol</pre>	106.	[ ] p,p'-DDT [ ] Dibenz(a,h)anthracene
66	= (i) possilista (4)	107.	· · · · · · · · · · · · · · · · · ·
256.	{ } Butylate (*) { } Butyl benzyl phthalate		<pre>[ ] Dibenzo(a,e)pyrene [ ] m-Dichlorobenzene</pre>
67.	<del>_</del>	109.	
68.	[] 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	110.	• • • • • • • • • • • • • • • • • • • •
	( ) Codmium	111.	[] p-Dichlorobenzene
69.	[] Cadmium	112.	[] Dichlorodifluoromethane
257	[] Carbaryl (*)	113.	[] 1,1-Dichloroethane
258	[ ] Carbefuran (*)	114.	[] 1,2-Dichloroethane
259	[] Carbofuran (*) [] Carbofuran phenol (*)	115.	[] 1,1-Dichloroethylene
260		116.	[] trans-1,2-Dichloroethylene
70		117.	[] 2,4-Dichlorophenol
71.		118.	[ ] 2,6-Dichlorophenol [ ] 1,2-Dichloropropane
261		119.	[] cis-1,3-Dichloropropylene
		120.	
		121.	[ ] trans-1,3-Dichloropropylene

122.			Diethyl phthalata	101.		7 1	Methyl echyl ketone
123.		( )		182.		[]	Methyl isobutyl ketone
124.		[ ]		183.		[]	Methyl methacrylate
125.		[ ]	Dimethyl phthalate	184.		[]	Methyl methansulfonate
126.		[]	Di-n-butyl phthalate	185.		[]	Methyl parathion
127.		f i	1,4-Dinitrobenzene	274.		[]	
128			4,6-Dinitro-o-cresol	275		ii	
120.	<del></del>			275.			
129.		( )		2/0.		[]	
130.		[ ]	2,4-Dinitrotoluene	186.		[ ]	Naphthalene
131.		[]	2,6-Dinitrotoluene	187.		[ ]	2-Naphthylamine
132.		[ ]	Di-n-octyl phthalate	188.		[]	
122	<del></del>	ij		189		ii	
133.				100.	<del></del>		
134.		[]	· · · · · · · · · · · · · · · · · · ·	190.			p-Nitroaniline
135.		( )	1,4-Dioxane (*)	191.		[]	Nitrobenzene
136.		[ ]	Diphenylamine (difficult to	192.		[]	5-Nitro-o-toluidine
			distinguish from	193.		[ ]	o-Nitrophenol (*)
			diphenylnitrosamine)	104		ìi	p-Nitrophenol
		<i>r</i> 1	• •	105			•
137.		[ ]				[]	N-Nitrosodiethylamine
			distinguish from diphenylamine)	196.		[ ]	•
138.		( )	1,2-Diphenylhydrazine	197.		[]	N-Nitroso-di-n-butylamıne
139.		[ ]	Disulfoton	198.		[]	N-Nitrosomethylethylamine
		[ ]		199.		[]	
140				200			•
140.		[]		200.			N-Nitrosopiperidine
141.		[]		201.		[ ]	~ *
142.		[]	Endosulfan sulfate	277.		[]	Oxamyl (*)
143.		[]	Endrin	202.		[]	Parathion
144		Ü		203		Ĺĵ	
144.				205.		. ,	,
267.		( )					or all Arochlors)
145.		( )	Ethyl acetate	278.		( )	Pebulate (*)
146.		[]	Ethyl cyanide (propanenitrile)	204.		[ ]	Pentachlorobenzene
		[]	• •	205.		[]	
140						٠.	
140.		[]	•	225			p-dioxins)
149.		[]		206.			PeCDFs (All pentachlorodibenzofurans)
150.	<del></del>	( )	Ethyl methacrylate	207.		[ ]	Pentachloroethane (*)
151.		[]	Ethylene oxide	208.		{ }	Pentachloronitrobenzene
152.		[]	Famphur	209.		[]	
153		ìi		210		ίí	•
155.				210.			
154.		[]	riuotene	211.		( )	Phenanthrene
155.		[ ]	Fluoride	212.		[ ]	Phenol
268.		[]	Formetanate hydrochloride (*)	213.		[]	Phorate
156.		[]	Heptachlor	214.		[]	Phthalic acid (*)
157		ίí	7	215		ii	
157.			-	213.			_
158.		[]		280.		[ ]	Physostigmine (*)
159.		[]	Hexachlorobutadiene	281.		[ ]	Physostigmine salicylate (*)
160.		[ ]	Hexachlorocylopentadiene	282.		[]	Promecarb (*)
161		ii		216		Ü	
101.		٠,		202			
			p-dioxins)	203.		[]	Propham (*)
162.		[]		284.		[ ]	Propoxur (*)
			furans)	285.		[]	Prosulfocarb (*)
163.		[ ]	Hexachloroethane	217.		[]	Pyrene
164		1 1	Hexachloropropylene	218.		[]	
166	<del></del>	ίí		219		ίi	Safrole
270				220	<del></del>		
2/0.		ιJ	3-Iodo-2-propynyl	220.		[]	
			n-butylcarbamate (*)	221.		[]	
166.		[]	Iodomethane	222.		[]	Silvex (2,4,5-TP)
167.		[]	Isobutyl alcohol	223.		[]	
160		Ü	Isodrin	224		Ü	
100.				224.			
169.	<del></del>	[]	Isosafrole				acid)
170.		[ ]	Kepone	225.		[]	1,2,4,5-Tetrachlorobenzene
171.	<del></del>	[ ]	Lead	226.		[]	TCDDs (All tetrachlorodibenzo-
172.		[ ]	MercuryNonwastewater from Retort			-	p-dioxins)
173		ίi	MercuryAll others			[]	-
174	<del></del>		-	220			
1/4.	<del></del>	[]	Methacrylonitrile	228.	<del></del>	[]	
175.	···········	[]	Methanol	229.		i J	1,1,2,2-Tetrachloroethane
176.		[]	Methapyrilene	230.		[]	Tetrachloroethylene
272.		( )	Methiocarb (*)	231.		Ü	<u>-</u>
273		ίi		232.		ii	•
177		ij		286		ìi	
177.				200.			
178.			3-Methylcholanthrene	201.		[]	Thiophanate-methyl (*)
•		[]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
179		[]	4,4-Methylene-bis(2-chloroan1line)	.233.		[]	Toluene
179		[]	4,4-Methylene-bis(2-chloroan1line)	.233. 234.	<del></del>	[]	
179			4,4-Methylene-bis(2-chloroan1line)	.233. 234.	<del></del>	[]	Toluene Toxaphene
179		[]	4,4-Methylene-bis(2-chloroan1line)	233. 234. 289.		[]	Toluene Toxaphene Triallate (*)
179		[]	4,4-Methylene-bis(2-chloroan1line)	233. 234. 289.	<del></del>	[]	Toluene Toxaphene